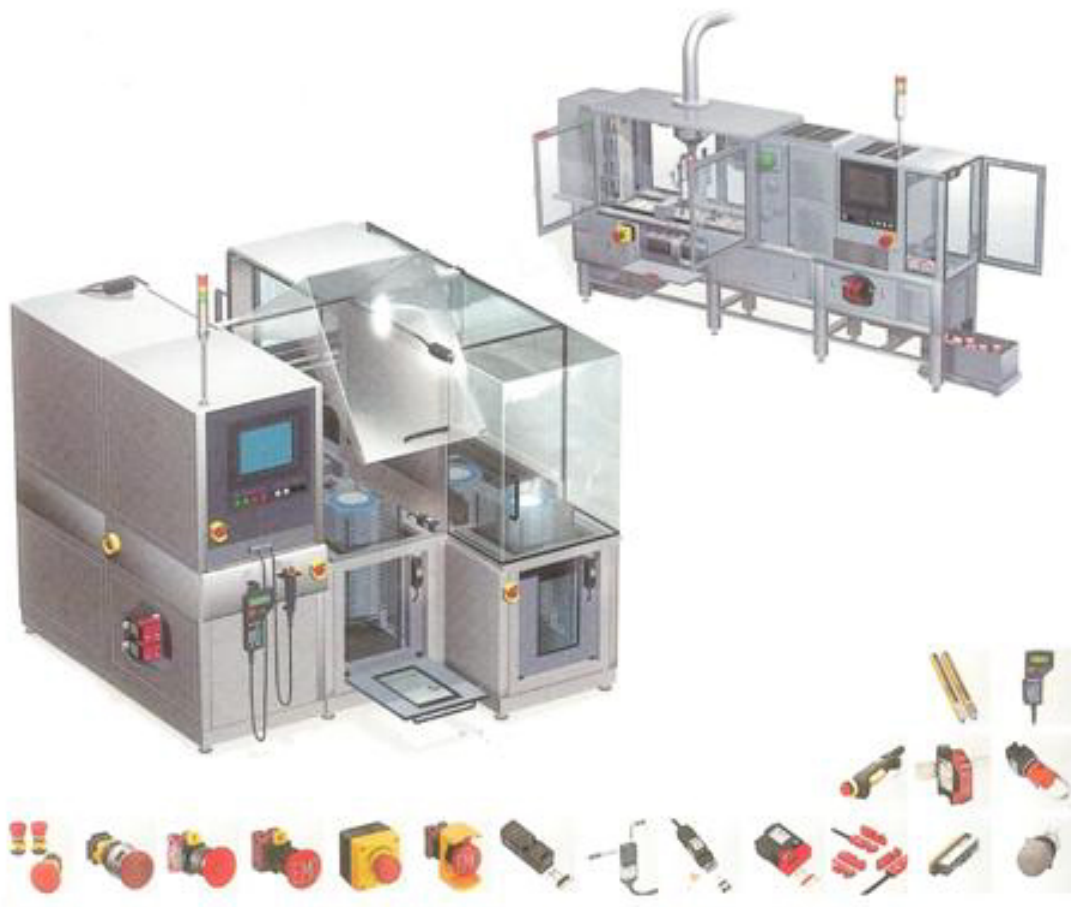


PRICE LIST

2009-2010

Think Automation and beyond....



Time Switches



Talento 111 / 211
Mechanical distributor with switch
with day and week program



Talento 371 / 372
Digital distributor time switch with
day and week program



Talento 894
Digital distributor time switch with
day / week and annual program



Turnus 200
twilight switch for surface-
mounting outdoors



Turnus 501
twilight switch for surface and
flush mounting



Turnus 502
twilight switch for surface and
flush mounting



Taxxo 102 (UWZ 48E)
Operating hour counters
Counting Capacity 99999,99 h



Taxxo 702 (FWZ 55)
Operating hour counters
Counting Capacity 99999,9 h



Dk-Lok
Tube Fittings
S316



Dk-Lok
Tube Fittings
Brass & Steel



Dk-Lok
Tube Fittings
Teflon



Dk-Lok
Tube Fittings
O-PRO 86 series
6000psi Ball Valves

Industrial control & automation product guide

industrial control & automation pro

SWITCHES AND PILOT DEVICES



N SERIES Ø30mm

- Heavy duty control units with high reliability
- Variety of models with up to maximum 10A contact rating
- Durable nylon 66 housing with silver contacts
- LED or incandescent illumination
- IP65 protection
- UL and CSA approved
- EN complaint

TWS SERIES Ø25mm

- Heavy duty control units with high reliability
- Modular construction for maximum flexibility
- Transformer or full voltage
- LED or incandescent illumination
- IP65 protection
- UL and CSA approved
- EN complaint



TW SERIES Ø22mm

- Highly reliable contacts, long life design
- Snap-on mount contact block and transformers
- High contact rating with 10A continuous current
- IP65 protection
- UL and CSA approved
- EN complaint

TW-E SERIES Ø22mm

- High reliability and flexibility in panel design
- Cost effective, high performance
- Reliable contact block with maximum 10A contact rating
- UL listed, CSA certified
- IP65 protection
- TUV approved



YW SERIES Ø22mm

- Tamper proof construction
- Cost effective, high performance
- Finger-safe screw terminal
- Locking lever removable contact blocks
- Pilot lights feature a large lens to ensure wide viewing angle
- Non-glare matte surfaces on the button, lens and bezel reduce reflection of ambient light
- UL, c-UL approved, EN complaint

XA / XW SERIES E-STOPS Ø16 / 22mm

- Technologically advanced "Safe Break Action" models
- Pushlock turn reset and push-pull functions built into same unit
- Direct opening action mechanism (IEC60947-5-5, 5.2, IEC60947-5-1, Annex K)
- Safety lock mechanism (IEC60947-5-5, 6.2)
- 40mm button size (XA), 40mm & 60mm button size (XW)
- UL, c-UL approved, EN complaint





HW SERIES 66mm JUMBO DOME PILOT LIGHTS

- Lens size Ø66mm, mounting hole size Ø22mm
- Clear and easy recognition from a distance
- Brilliant and prominent from sides
- Available in six lens colours (Amber, Green, Red, Blue, White, Yellow)
- LED or incandescent illumination



HW SERIES DUAL PUSHBUTTONS Ø22mm

- Momentary and interlock types
- Interlock type prevents both buttons from being pressed at the same time
- Pilot lights are available in full voltage and transformer types illuminated with LED or incandescent lamps
- UL, CSA approved, and EN compliant

MC SERIES

- Super bright LED or incandescent lamps
- Rectangular and square body types
- Removable contact blocks promote easy PCB mounting
- Snap-action switching contacts
- Slow-action and maintained types also available
- Illumination face division :
Full to 4-way split (MC3D) or 2-way split (MC2D)
- UL and c-UL recognized, EN compliant



A SERIES Ø8, Ø10, Ø12, Ø16mm

- Light-touch operator with short body
- Variety of operator types and colours
- Bright and clear illumination face with LED lamps
- Available in enclosed (IP40) and oil tight (IP65) types
- SPDT or DPDT gold-clad silver contacts
- Flush mounting available

AP SERIES Ø8, Ø10, Ø12, Ø16mm

- Space saving miniature style
- Built-in protection diode and resistor
- Dome or flat lenses
- Five illumination colours : Red, Green, Amber, Yellow, White
- Solder terminals, Built-in current limiting resistor
- Three power voltages : 6, 12, 24V DC
- IP65 rated (AP8 series : IP40)





EXPLOSION PROOF CONTROL EQUIPMENT



Control Boxes KGNW SERIES/KGN SERIES

- One to four hole models (KGNW)
- One to five hole models (KGN)
- Made of sheet steel material
- KGNW: Applicable to Idec Ø22mm TW series control units
- KGN: Applicable to Idec Ø30mm TW series control units
- Wall mount only
- Degree of protection: IP40

AGAW SERIES/AGA SERIES

- One to four hole models (AGAW)
- One to five hole models (AGA)
- Made of die-cast aluminium
- AGAW: Applicable to Idec Ø22mm TW series control units
- AGA: Applicable to Idec Ø30mm TW series control units (except enclosed type units)
- Wall mount and stand mount types
- Stand pole (Carbon steel pipe with cast iron base)
- Degree of protection: IP65



AGS SERIES

- Various types available to support different wire inlets and attachments
- Wide variety of combinations
- Optional Buff-finished types are also available
- Corrosion and weather resistant stainless steel enclosure
- Degree of protection: IP65

EC2A SERIES

- Corrosion, weather resistant stainless steel box
- Wall mount or stand mount types
- Applicable in areas, filled with all types of explosive gases
- Degree of protection: IP65
- Degree of explosion protection: Exde II CT6
- Conforms to IEC standards
- Certified to use in division 1 or 2 hazardous areas



EB3C SERIES RELAY BARRIERS

- IEC60079 complaint
- Universal AC power voltage (100-240V AC)
- No grounding required
- Spring-up terminals minimize wiring time
- 35mm DIN rail or direct screw mounting
- Global approvals
USA: FM, Canada: CSA, Europe: CE & ATEX, Japan: TIS
- Degree of protection: IP20
- Degree of explosion protection: Relay Barrier: [Exia] II C
Switch: Exia II CT6 or Exia II BT6

FLUSH SILHOUETTE



LW SERIES

- Ø25.3mm round panel cut-out, 24.5mm square panel cut-out
- Plastic or metal bezels
- Collective mounting possible
- Separate type control units with a locking lever enable easy installation even when mounted collectively
- Gold (gold-clad silver) or silver contacts
- IP65 protection
- UL and CSA approved
- EN complaint

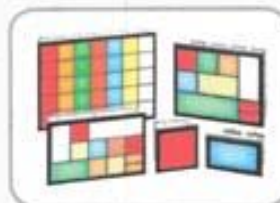
DISPLAY UNITS



DD3S, DD48, D96, SD24 & SD72 SERIES

- Super bright LED for easy viewing
- Various character sizes
- Binary, Decimal, Hexadecimal and Extra Decimal display types
- Positive or negative input logic
- Easy wiring and maintenance using plug-in connectors
- Horizontal row or vertical row mounting models also available

COMBINATIONS DISPLAY LIGHTS



SLC 30/40 SERIES

- Up to 200 windows (SLC30), 105 windows (SLC40)
- Various illumination face types
- Six lens colours for LED/incandescent illumination
- High brightness and low current consumption
- Blue LED illumination also available

SLD SERIES

- Full, two-way or three-way splits
- Seven frame sizes from DIN 36x36 mm to DIN 48x96 mm
- Six lens colours
- LED or incandescent illumination
- Easy wiring
- UL and c-UL listed, EN complaint



SENSORS

SA1E - Photoelectric

- Simple, compact design
- Four sensing methods
- Long sensing ranges
- High speed response
- IP67 rated



SA1C - Fiber Optic Analogue Photoelectric

- High-speed, miniature photoelectric sensors with analogue & digital output
- Red and Green LEDs
- IP66 rated



SA1W - Water Detection Sensor

- Non-contact water detection
- Fast response: 0.5ms
- Long 800mm sensing range
- Liquid level detection including clear water
- Visible red spot for easy targeting and alignment
- IP66 rated



MX1C - Laser Displacement Sensor

- Non-contact, high resolution sensing
- Sensing range: 60-160mm
- Adjustable response speed
- IP65 rated



POWER SUPPLIES

PS5R SLIM SERIES



- Light weight and compact size
- Wide power range: 30W - 240W
- DIN rail or surface mount / Universal input
- Overcurrent & overvoltage protection
- CE marked, TUV, c-UL, UL508, UL1310, UL1604

PS5R STANDARD SERIES



- Wide power range: 7.5W - 240W
- DIN rail or surface mount / Universal input
- Overcurrent & overvoltage protection
- CE marked, TUV approved, UL, c-UL, UL508 listed

PS3L METAL SERIES



- Slim style, Wide power range: 10W - 300W
- DIN rail or surface mount / Universal input
- Overcurrent & overvoltage protection
- CE marked, UL, c-UL, TUV approved, UL508 listed, UL1950 recognized

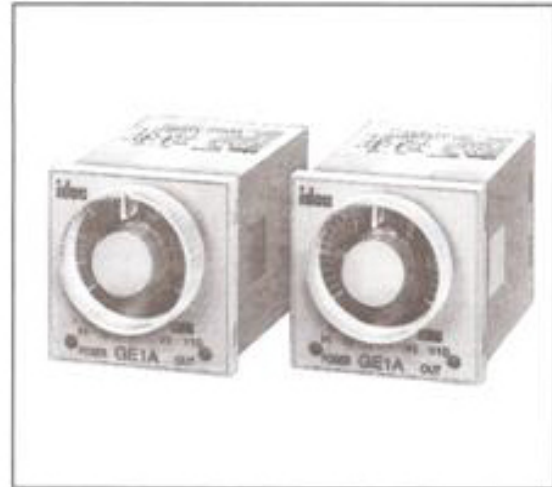
GE1A SERIES ELECTRONIC TIMERS

FEATURES

- Large clear knob for easy time range setting
- 4 different time ranges to cover a wide time range
- Highly precise time control
- Instant monitoring of operation status by indicators.

CONTACT RATINGS

CONTACT RATINGS	240V AC/5A, 24V DC/5 A (resistive load)
Electrical Life	100,000 operations minimum
Mechanical Life	10,000,000 operations minimum



TIME RANGES

Code	Magnification	Time Range
10M	X1S	0.1 sec to 1 sec
	X10S	1 sec to 10 sec
	X1M	0.1 min to 1min
	X10M	1 min to 10min
30M	X1S	0.3 sec to 3 sec
	X10S	3 sec to 30 sec
	X1M	0.3 min to 30 min
	X10M	3 min to 30 min
10H	X1M	0.1 min to 1 min
	X10M	1 min to 10 min
	X1H	0.1 hour to 1hours
	X10H	1 hour to 10 hours
30H	X1M	0.3 min to 3min
	X10M	3 min to 30 min
	X1H	0.3 hour to 3 hours
	X10H-	3 hours to 30 hours

Type No.	Output	Time Range Code (TT)	Rated Voltage Code (vv)	Unit Price (Baht)
GE1A-C(TT)(VV)	On Delay DPDT 5A	10H : 1S to 10M 30M : 3S to 30M 10H : 1M to 10M 30M : 3M to 30H	A220 : 220 to 240V AC AD24 : 24V AC/DC	900.-

Applicable Socket : SR2P-06A

GT 5 P Miniature Electronic Timers

Type No.	Output	Time Range Code(VV)	Rated Voltage Code (VV)	Unit Price (Baht)
GT 5 P-N(TT) (VV)	OnDelay SPDT 5A	1S 60S 3S 3M 6S 6M 10S 10M 30S	A100 : 100to 120VAC A200 : 200to 240 vac AD24 : 24VAC/DC D12 : 12VAC**	900.-

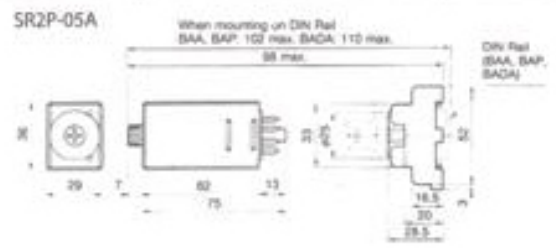


Dimensions: 36Hx29Wx82D mm

SR2P-05A

When mounting on DIN Rail
SAA, SAPP: 102 max. SADA: 110 max.

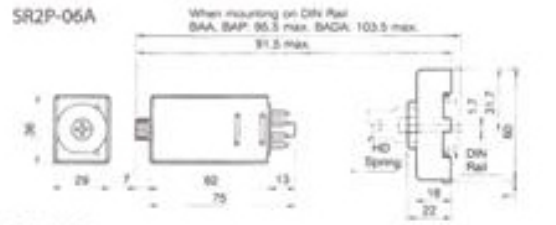
38 max.



SR2P-06A

When mounting on DIN Rail
SAA, SAPP: 95.5 max. SADA: 103.5 max.

91.5 max.



Applicable Socket : SR2P-05A or SR2P-06A, Hold-Down Spring : SFA-202

GT 5 Y Miniature Electronic Timers

Type No.	Output	Time Range Code(T)	Rated Voltage Code (VV)	Unit Price (Baht)
GT5Y-2SN(T) (VV)	OnDelay DPDT 5A	1 : 1S/10S/1M/10M 3 : 3S/30S/3M/30M	A100 : 100to 120VAC A200 : 200to 240 vac D24 : 24VDC D12 : 12VDC	1,100.-
GT 5 Y-4SN(T) (VV)	OnDelay 4PDT 3A	6 : 6S/60S/6M/60M		1,300.-

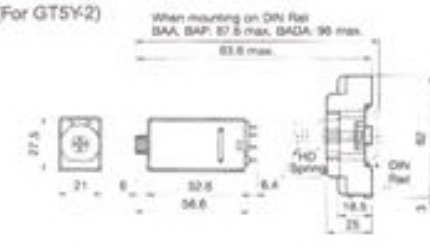


Dimensions: 27.5Hx21Wx65D mm

SM2S-05A (For GT5Y-2)

When mounting on DIN Rail
SAA, SAPP: 87.5 max. SADA: 90 max.

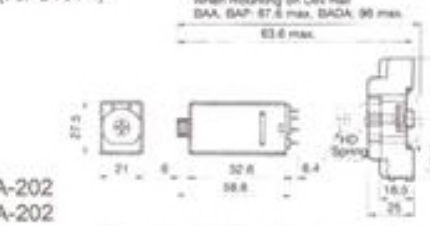
83.6 max.



SY4S-05 (For GT5Y-4)

When mounting on DIN Rail
SAA, SAPP: 87.5 max. SADA: 90 max.

83.6 max.

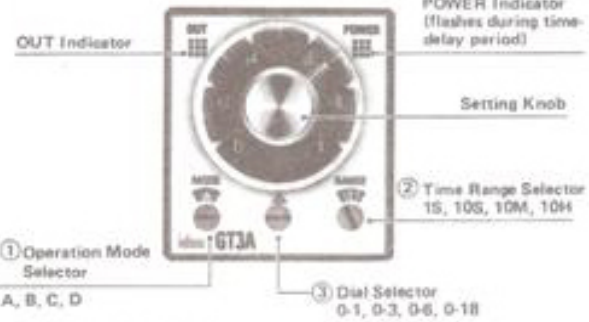


Applicable Socket for GT5Y-2SN : SM2S-05, Hold Down Spring : SFA-202
Applicable Socket for GT5Y-4SN : SM4S-05, Hold-Down Spring : SFA-202

-All prices are subjected to change without notice
-All prices are excluded 7% VAT

GT3A-1/GT3A-2/GT3A-3(Multi-Mode Type)

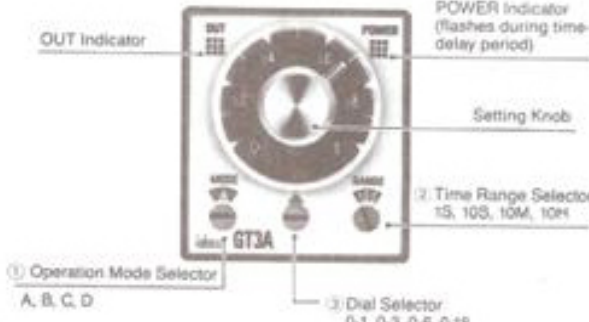
Operation Mode	Rated Voltage	Time Range	Output	Contact	Type No. 8-pin Type	Unit Price (Baht)
A : ON Delay B : Interval ON C : Cycle D : Cycle ON	AF20 : 100 to 240V AC (50/60Hz) AD24 : 24V AC (50/60Hz)/24V DC	0.1 sec to 180hours	240V AC, 3A 24V DC, 5A (resistive load)	Delayed SPDT + instan SPDT	GT3A-2AF20 GT3A-2AD24	1,900.-
			240V AC, 5A 24V DC, 5A (resistive load)	Delayed DPDT	GT3A-3AF20 GT3A-3AD24	1,500.-

Applicable Socket : SR2P-05A or SR2P-06A, Hold-Down Spring : SFA-202

GT3A-4/GT3A-5/GT3A-6[Multi-Mode Type With Inputs (11 Pins)]

Operation Mode	Rated Voltage	Time Range	Output	Contact	Input	Type No. 11-pin Type	Unit Price (Baht)
A : ON Delay B : Cycle C : Signal ON/OFF Delay D : Signal OFF Delay	AF20 : 100 to 240V AC (50/60Hz) AD24 : 24V AC (50/60Hz)/24V DC	0.1 sec to 180 hours	240V AC, 5A 240V DC, 5A (resistive load)	Delayed DPDT	Start Reset Gate	GT3A-4AF20 GT3A-4AD24	1,700.-
A : Interval On B : One-Shot Cycle C : Signal ON/OFF Delay D : Signal OFF Delay						GT3A-5AF20 GT3A-5AD24	2,200.-
A : One-Shot B : One-Shot On Delay C : One-Shot D : Signal ON/OFF Delay						GT3A-6AF20 GT3A-6AD24	2,500.-

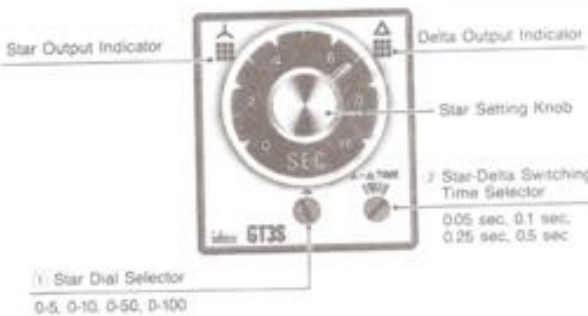



Applicable Socket : SR3P-05A, Hold-Down Spring : SFA-203

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GT3S-1/GT3S-2 (Star-Delta Type)

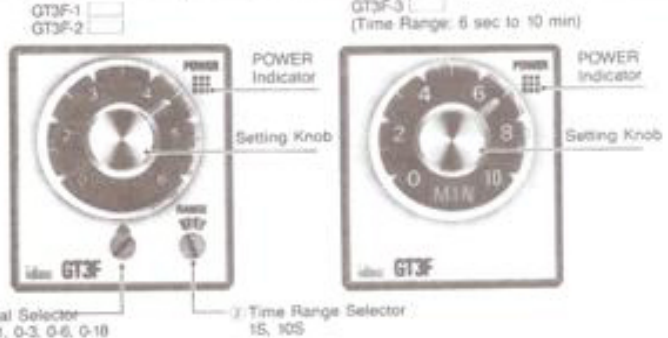
Operation Mode	Rated Voltage	Time Range	Output	Contact	Type No. 8-pin Type	Unit Price (Baht)
Star-Delta	AF20: 100 to 240V AC (50/60Hz)	Star : 0.05 to 100 sec Star-delta switching time: 0.05 sec 0.1 sec 0.25 sec 0.5 sec	250V AC, 5A 30V DC, 5A (resistive load)	Star: Delayed SPDT-NO Delta: Delayed SPDT-NO	GT3S-1AF20	2,100.-
				Star: Delayed SPDT-NO Delta: Delayed SPDT-NO Instantaneous SPDT-NO	GT3S-2AF20	2,100.-

Applicable Socket : SR2P-05A or SR2P-06A, Hold-Down Spring : SFA-202

GT3F-1/GT3F-2/GT3F-3 (Power OFF Delay Type)

Operation Mode	Rated Voltage	Time Range	Output	Contact	Type No. 8-pin Type	Unit Price (Baht)
Power OFF Delay	AF20 100 to 240V AC (50/60Hz) AD24 : 24V AC/DC	0.05 sec to 180 sec	250V AC, 5A 30V DC, 5A (resistive load)	Delayed SPDT	GT3F-1AF20 GT3F-1AD24	2,100.-
			250V AC, 4A 30V DC, 3A (resistive load)	Delayed DPDT	GT3F-2AF20 GT3F-2AD24	
		6 sec to 10 min	250V AC, 5A 30V DC, 5A (resistive load)	Delayed SPDT	GT3F-3AF20 GT3F-3AD24	3,700.-

Applicable Socket : SR2P-05A or SR2P-06A, Hold-Down Spring : SFA-202

- All prices are subjected to change without notice.
- All prices are excluded 7% VAT.

GT3W (Sequence Type)

Operation Mode	Rated Voltage Code	Time	Range	Output	Contact	Type No. 8-pin Type	Unit Price (Baht)
		T1	T2				
Sequence	AF20 : 100to 240V AC (50/60 Hz) AD24 : 24V AC (50/60 Hz) 24V DC	0.1 sec to 6 hours		240V AC, 3A 120V AC, 5A 30V DC, 5A (resistive load)	Delayed SPDT + Delayed SPDT	GT3W-A11AF20 GT3W-A11AD24	3,500.-





Applicable Socket : SR2P-05A or SR2P-06A, Hold-Down SPRING : SFA-202

Accessories		Type No.	Unit Price (Baht)
Panel Mount Adapter	Color : Gray	RTB-G01	170
Wiring Socket Adapter	8-Pin Screw Terminal	SR6P-M08G	320.-
	8-Pin Solder Terminal	SR6P-S08	100.-
	11-Pin Screw Terminal	SR6P-M11G	350.-
	11-Pin Solder Terminal	SR6P-S11	125.-
DIN Rail Mount Socket	8-Pin Screw Terminal	SR2P-05A	100.-
	8-Pin Solder Terminal	SR2P-06A	100.-
	11-Pin Screw Terminal	SR3P-05A	160.-

(8-pin Wiring Socket Adapter) SR6P-S08



(8-pin Screw Wiring Socket Adapter) SR6P-M08G



(11-pin Wiring Socket Adapter) SR6P-S11



(11-pin Screw Wiring Socket Adapter) SR6P-M11G



RTB-G01 (Color: Gray)



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IDERC : RELAYS

Style	CONTACT		Coi Rating	Unit Price (Baht)	Socket shape &Type	Unit Price (Baht)
	Config	Rating				
	DPDT	10A	AC 6,12,24,48 110,220V	250.-	SR2P-05A	100.-
			DC 6,12,24,48, 110V	WITH+LAMP 330	SR2P-05A	
	3PDT	10A	AC 6,12,24,48 110,220V	290.-		160.-
			DC 6,12,24,48, 110V	WITH+LAMP 430		
	DPDT	5A	AC 6,12,24,48 110,220V	180.-	SM2S-05DF	110.-
			DC 6,12,24,48, 110V	WITH+LAMP 220	SM2S-51, SM2S-61	75.-
	DPDT	3A	AC 6,12,24,48 110V	355.-		180.-
			DC 6,12,24, 48V	WITH+LAMP 430		
	4PDT	5A	AC 6,12,24,48 110,220V	220.-	SY4S-05DF	130.-
			DC 6,12,24,48, 110V	WITH+LAMP 260	SY4S-51, SY4S-61	85.-
	SPDT	10A	AC 6,12,24,48 110V	320.-		145.-
			DC 6,12,24, 48V	WITH+LAMP 400		

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RELAYS

Style	CONTACT		Coil Rating	Unit Price (Baht)	Socket Shape & Type	Unit Price (Baht)
	Config	Rating				
 RH2B-U (RH2B-U) (RH2B-L)	DPDT	10A	AC 6,12,24,48, 110,220V	340.-	 SH2B-05A	160.-
			DC 6,12,24,48, 110V	WITH+LAMP 420.-		
 RH3B-U (RH3B-U) (RH3B-L)	3PDT	10A	AC 6,12,24,48, 110,220V	530.-	 SH3B-05A	200.-
			DC 6,12,24,48, 110V	WITH+LAMP 610.-		
 RH4B-U (RH4B-U) (RH4B-L)	4PDT	10A	AC 6,12,24,48, 110,220V	600.-	 SH4B-05A	290.-
			DC 6,12,24,48, 110V	WITH+LAMP 680.-		

Hold-Down Spring

Type No.	Applicable Relay	Packing	Unit Price (Baht)
SFA-101	RM2S, RY2S, RY4S, RH1B, RH3B, RH2B	Pack of 10 pairs	170.-
SFA-202	RM2S, RY2S, RY4S, RH1B, RH3B, RH2B, GT5P, GT3A	Pack of 10 pairs	100.-
SR2B-02F1	RP2P	Pack of 10 pcs	100.-
SR3B-02F1	RP3P	Pack of 10 pcs.	100.-



SFA-101



SFA-202



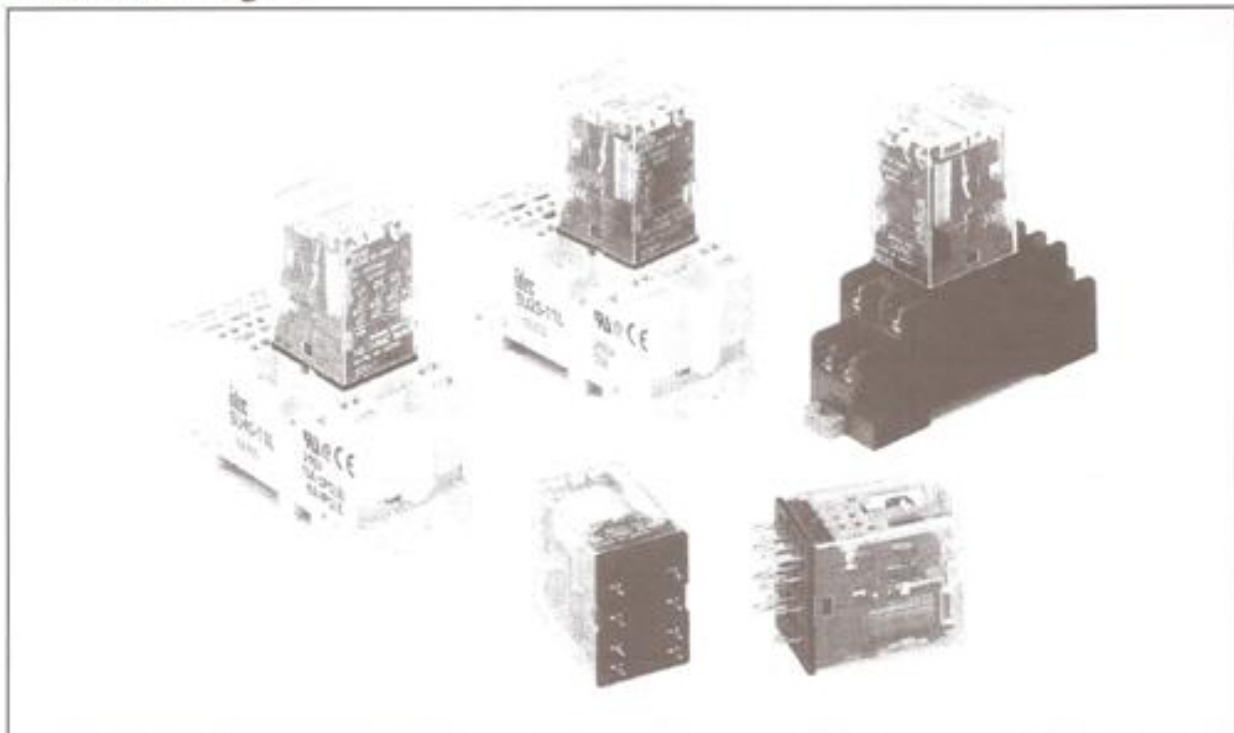
SR2B-02F1



SR3B-02F1

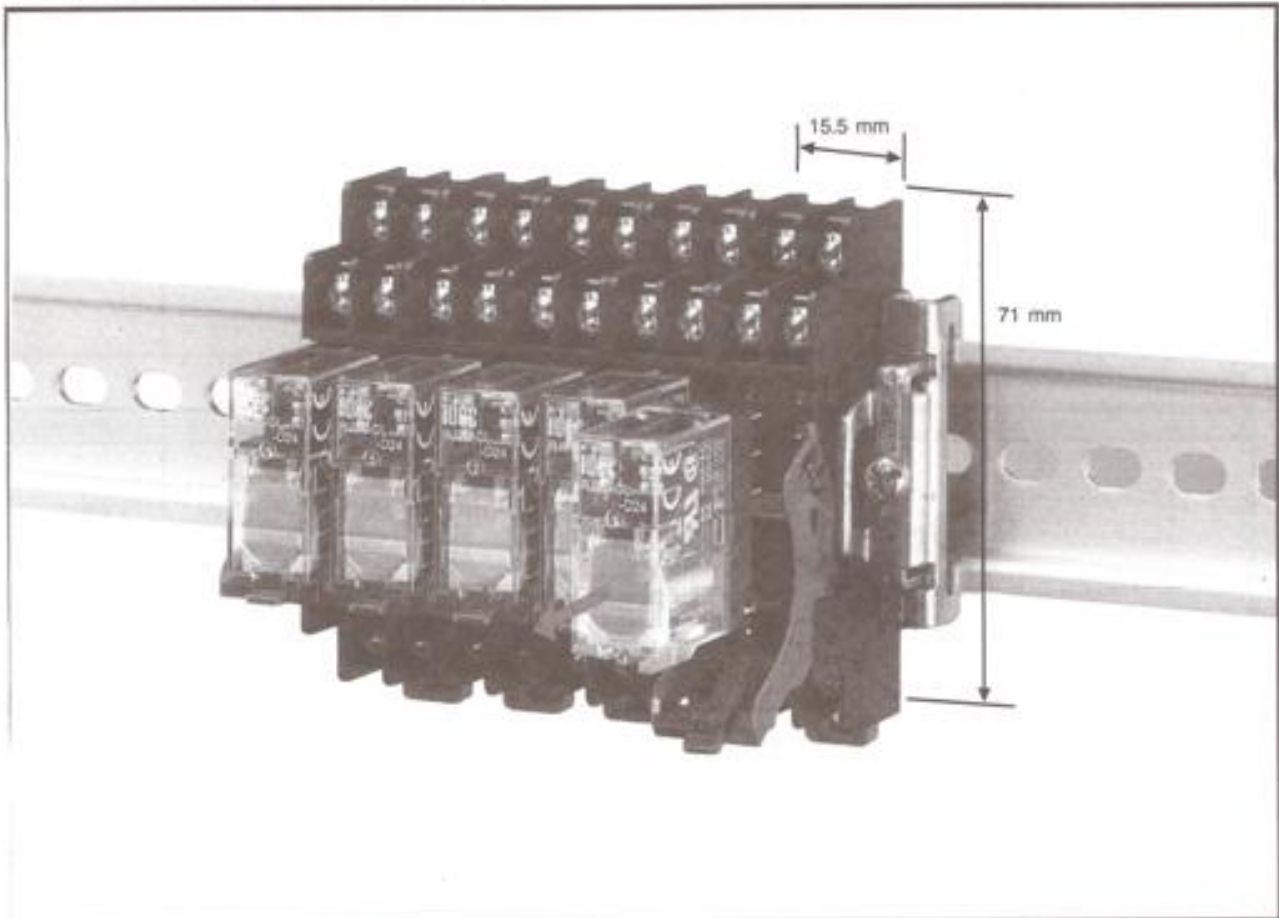
- All prices are subjected to change without notice.
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Ru Relays



Model No.		RU2		RU4	
Contact	Configuration	DPDT		4PDT	
	Material	AgSnOIn (silver tin oxide indium)		AuAg/Ag(gold-silver alloy on silver)	
	Rated Load (resistive)	10A/250V AC, 10A/30V DC		6A/250V AC, 6A/30V DC	
Coil	Voltage	24, 110-120, 220-240V AC 12, 24, 110V DC		24, 110-120, 220-240V AC 12, 24, 110V DC	
	Mechanical	AC: 20,000,000 operations minimum DC: 30,000,000 operations minimum		AC: 20,000,000 operations minimum DC: 30,000,000 operations minimum	
Degree of Protection		IP40		IP40	
Operating Temperature		-55 to +75°C (no freezing)		-55 to +75°C (no freezing)	
Dimensions (H x W x D mm)		35.0 x 21.0 x 27.5		35.0 x 21.0 x 27.5	
Applicable Socket		SM2S-05DF		SY4S-05DF	
Features		Basic Type No Indicator Light and Mechanical Indicator	LED + Mechanical indicator	Basic Type No Indicator Light and Mechanical Indicator	LED + Mechanical indicator
Type Number		RU2S-NF	RU2S-C	RU4S-NF	RU4S-C
Unit Price (Baht)		180.-	220.-	220.-	260.-

SLIM POWER RELAYS



Model No.	RJ1S				RJ2S			
Contact Configuration	1-pole (SPDT)		1-pole (SPDT)		2-pole (DPDT)		2-pole (DPDT)	
Material	Silver - nickel alloy							
Rated Load	12A / 250V AC, 30V DC				8A / 250V AC, 30V DC			
Electrical Life	AC load : 200,000 operations minimum							
	DC load : 100,000 operations minimum							
Mechanical Life	AC coil : 30,000,000 operations minimum							
	DC coil : 50,000,000 operations minimum							
Operating Temperature	-40 to + 70 C (no freezing)							
Operating Humidity	5 to 85% RH (no freezing)							
Applicable Socket	SJ1S-07L				SJ2S-07L			
Features	No Indicator		LED Indicator		No Indicator		LED Indicator	
Type Number	RJ1S-C-*		RJ1S-CL-*		RJ2S-C-*		RJ2S-CL-*	
Coil Voltage	AC	D12,D24	AC	D12,D24	AC	D12,D24	AC	D12,D24
	DC110		DC110		DC110		DC110	
Unit Price	190.-	160.-	270.-	220.-	220.-	190.-	290.-	260.-
Socket Unit Price	110.-				120.-			

Ø 22 HW series Emergency Stop Switch

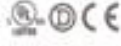
Pushlock Turn Reset Switches (Unibody Type)

Shape	Contact	Type No.	Price
 	1NO-1NC	HW1E-BV411R	1,350.-
	2NO	HW1E-BV402R	1,350.-

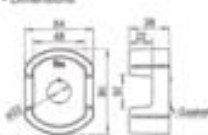
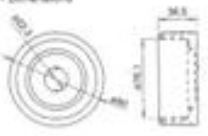
Illuminated Pushlock Turn Reset Switches (Unibody Type)

Shape	Lamp	Contact	Type No.	Price
 	LED 24V AC/DC	1NO-1NC	HW1E-LV411Q4R	1,980.-
		2NO	HW1E-LV402Q4R	1,980.-

Push-ON Illuminated Pushlock Turn Reset Switches (Unibody Type)

Shape	Lamp	Contact	Type No.	Price
 	LED 24V AC/DC	1NO-1NC	HW1E-TV411Q4R	1,980.-
		2NO	HW1E-TV402Q4R	1,980.-

SEMI Standard Compliant Switch Guards (For Ø 22mm mounting hole)

SEMI S2-0200 12.5.1 Compliant			Type No.	Price
 - Type No.: HW9Z-KG1 - Degree of Protection: IP65 - Color: Yellow Not applicable for ø60mm mushroom buttons.  			HW9Z-KG1	870.-
SEMATECH Application Guide For SEMI S2-93, 12.4 Compliant			Type No.	Price
 - Type No.: HW9Z-KG2 - Degree of Protection: IP65 - Color: Yellow Not applicable for ø60mm mushroom buttons.  			HW9Z-KG2	870.-

Ø22 HW series Control Units

Square Flush Pushbuttons Types

Shape	Operation	Contact	Type No.	Button Color	Price
 	Momentary	1NC	HW2B-M101-*	B,G,R,S,W,Y	500.-
		1NO	HW2B-M110-*		
	Maintained	1NC	HW2B-M101-*	B,G,R,S,W,Y	1,000.-
		1NO	HW2B-M110-*		

Square Flush Pushbuttons Types

Shape	Lamp	Voltage	Type No.	Lens Color	Price
 (Photo: Transformer Type) 	LED	24V AC/DC	HW2P-1Q4-*	A : Amber G : Green R : Red W : White Y : Yellow	700.-
		100/110V AC	HW2P-1H2-*		1,000.-
		200/220V AC	HW2P-1M2-*		

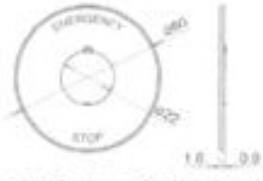
Square Flush Illuminated Pushbuttons Types

Shape	Lamp	Voltage	Type No.	Lens Color	Price
 	LED	24V AC/DC	HW2L-M111Q4-*	A : Amber G : Green R : Red W : White Y : Yellow	1,450.-
		100/110V AC	HW2L-M111H2-*		1,800.-
		200/220V AC	HW2L-M111M2-*		

Pushbuttons Selectors

Shape	Circuit	Contact	Type No.	Button Color	Price
 	D	2 NO	HW1R-2D20-*	B,G,R,S,W,Y	970.-
		2NO-2NC	HW1R-2D22N1-*		1,800.-
	F	2NO-2NC	HW1R-2F22N1-*		1,800.-

Nameplates

Shape	Material	Type No.	Package Qty	Price
 * Legend "Emergency Stop" is indicated outside a ø44mm circle.	Plastic (Yellow) 1.5mm	HWAV-27	1	100.-

FB Series Plastic Control Boxes For 22mm Control Units

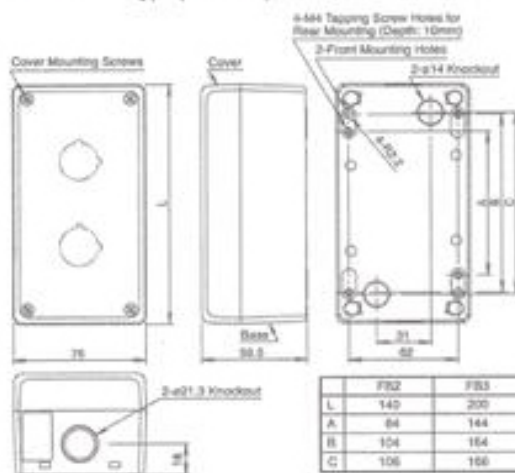
• Specifications (Note 1)

Standard Operating Conditions	Ambient temperature: -25 to +60°C (no freezing) Relative humidity: 45 to 85%RH (no condensation) Storage temperature: -40 to +80°C (no freezing) Degree of pollution: 3
Degree of Protection	IP65 (when IP65 control units are installed) NEMA Type 4X Indoor Use Only (when Type 4X control units are installed)
Electric Shock Protection	Class II (when class II control units are installed)
Material	Cover/base: Polycarbonate Cover mounting screws: Stainless steel
Applicable Control Units	IDEC's HW/TW/XW series control units and accessories (Note 2) (Note 3)
Weight (approx.)	76mm type: 125g (FB1W-111Z) 140mm type: 164g (FB2W-211Z) 200mm type: 243g (FB3W-311Z)

Note 1: The above specifications are for control boxes. For control units, refer to the specifications of each control unit.



• 140/200mm Type (FB2/FB3)



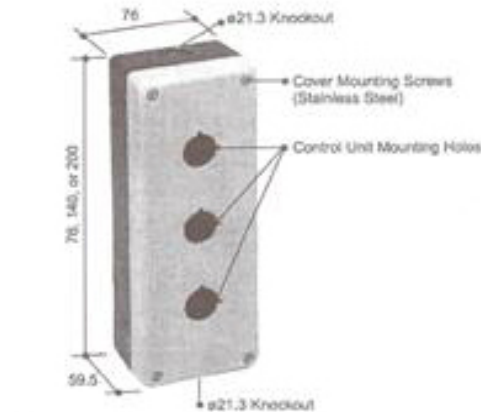
All dimensions in mm.

Control Unit Mounting Hole Centers

Type	FB1	FB2	FB3
	2 mounting holes	3 mounting holes	3 mounting holes
Appearance			

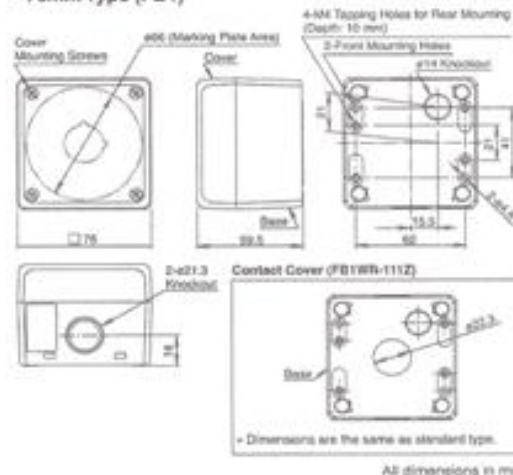
Mounting Hole Dimensions

Type	FB1	FB2	FB3	FB2/FB3
	50mm mounting centers	36/50mm mounting centers	36/50mm mounting centers	30mm mounting centers
Shape				



Dimensions

• 76mm Type (FB1)



No. of Holes	1	1	2	3	4	5
Type No.	FB1W-111Y	FB1W-111Z	FB2W-211Z	FB3W-311Z	FB3W-413Z	FB3W-512Z
Color of Box Cover	Yellow	Light Beige				
Mounting Type	Horizontal / Vertical				Horizontal	
Unit Price	750	750	1,200	1,600	1,600	1,600

AL6 Illuminated Pushbuttons & Pilot Lights (LED)

Shape	Operation Type	Operation Voltage	Contact	Type No. (IP40)	Lens Color (Code)	Built-in Lamp	Unit Price (Baht)
AL6M (Round) LED   Marking plate size: ø13.7 mm Engraving area: ø12 mm (Depth: 0.5 mm max.)	Momentary	5V DC±5%	SPDT	AL6M-M11*	Red (R) Green (G) Yellow (Y) Amber (A) White (W) Blue (S)	Operating Voltage 5V DC LATD-5* (5V DC/6mA)	590.-
			DPDT	AL6M-M21*			720.-
		12V DC±10%	SPDT	AL6M-M13*			590.-
			DPDT	AL6M-M23*			720.-
		24V DC±10%	SPDT	AL6M-M14*			590.-
			DPDT	AL6M-M24*			720.-
	Alternate	5V DC±5%	SPDT	AL6M-A11*		Operating Voltage 12V AC/DC LATD-1* (24V DC/6mA)	620.-
			DPDT	AL6M-A21*			750.-
		12V DC±10%	SPDT	AL6M-A13*			620.-
			DPDT	AL6M-A23*			750.-
		24V DC±10%	SPDT	AL6M-A14*			620.-
			DPDT	AL6M-A24*			750.-
	Pilot Light	5V DC±5%		AL6M-P1*		Operating Voltage 24V AC/DC LATD-2* (24V DC/6mA)	380.-
		12V DC±10%		AL6M-P3*			
		24V DC±10%		AL6M-P4*			
AL6Q (Square) LED   Marking plate size: □13.7 mm Engraving area: □12 mm (Depth: 0.5 mm max.)	Momentary	5V DC±5%	SPDT	AL6Q-M11*	*Color Code R: Red G: Green Y: Yellow A: Amber W: White S: Blue		590.-
			DPDT	AL6Q-M21*			720.-
		12V DC±10%	SPDT	AL6Q-M13*			590.-
			DPDT	AL6Q-M23*			720.-
		24V DC±10%	SPDT	AL6Q-M14*			590.-
			DPDT	AL6Q-M24*			720.-
	Alternate	5V DC±5%	SPDT	AL6Q-A11*			620.-
			DPDT	AL6Q-A21*			750.-
		12V DC±10%	SPDT	AL6Q-A13*			620.-
			DPDT	AL6Q-A23*			750.-
		24V DC±10%	SPDT	AL6Q-A14*			620.-
			DPDT	AL6Q-A24*			750.-
	Pilot Light	5V DC±5%		AL6Q-P1*		The LED lamp contains a current-limiting resistor and a protection diode; external resistors are not required.	380.-
		12V DC±10%		AL6Q-P3*			
		24V DC±10%		AL6Q-P4*			
AL6H (Rectangular) LED   Marking plate size: 13.7 × 19.7 mm Engraving area: 12 × 18 mm (Depth: 0.5 mm max.)	Momentary	5V DC±5%	SPDT	AL6H-M11*	The LED lamp contains a current-limiting resistor and a protection diode; external resistors are not required.		590.-
			DPDT	AL6H-M21*			720.-
		12V DC±10%	SPDT	AL6H-M13*			590.-
			DPDT	AL6H-M23*			720.-
		24V DC±10%	SPDT	AL6H-M14*			590.-
			DPDT	AL6H-M24*			720.-
	Alternate	5V DC±5%	SPDT	AL6H-A11*			620.-
			DPDT	AL6H-A21*			750.-
		12V DC±10%	SPDT	AL6H-A13*			620.-
			DPDT	AL6H-A23*			750.-
		24V DC±10%	SPDT	AL6H-A14*			620.-
			DPDT	AL6H-A24*			750.-
	Pilot Light	5V DC±5%		AL6H-P1*			380.-
		12V DC±10%		AL6H-P3*			
		24V DC±10%		AL6H-P4*			

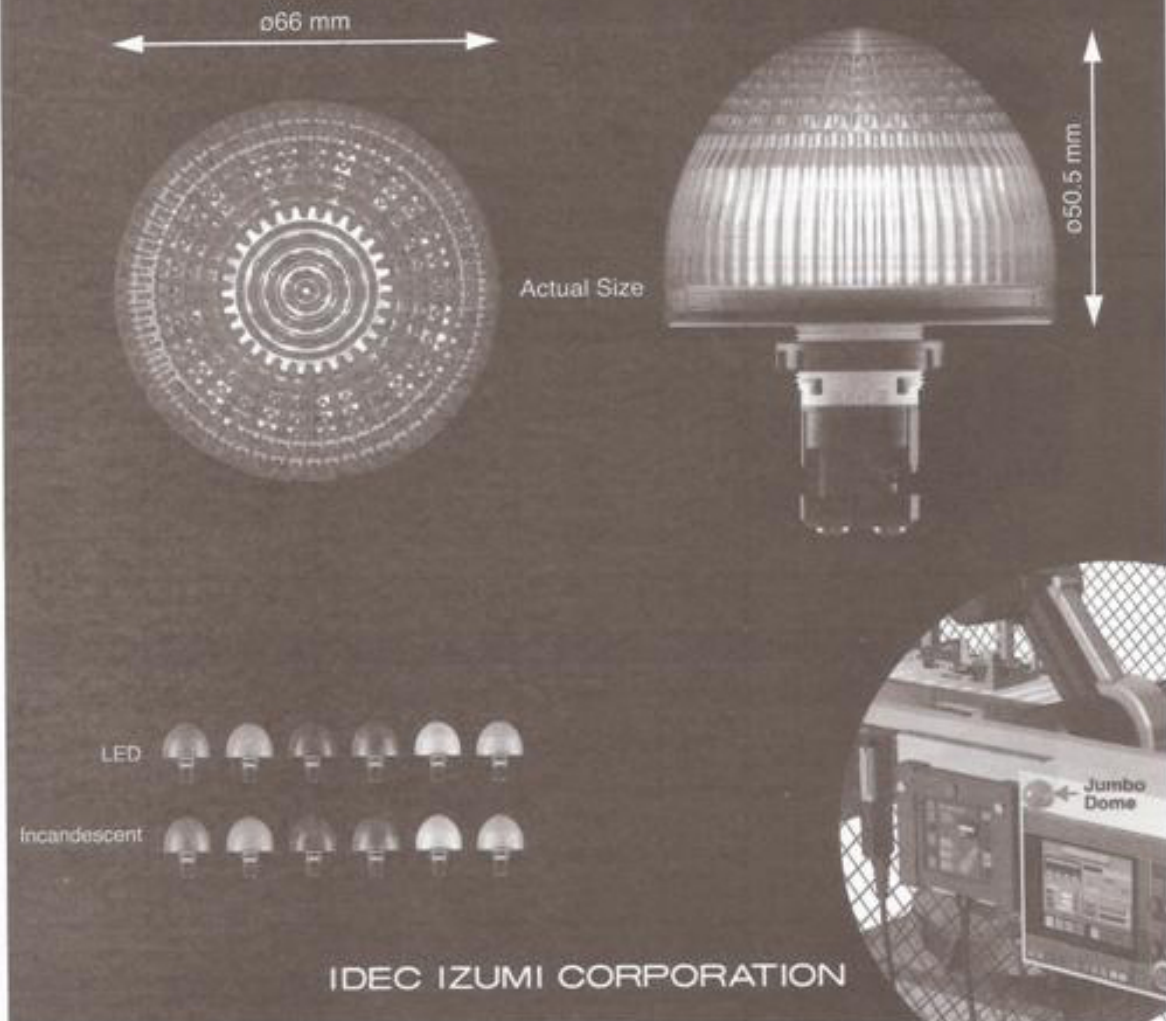
- Specify the lens color code in place of * in Type No. An lamp is contained.
 - All prices are subjected to change without notice.
 - All prices are excluded 7% VAT.

Ø 22 HW series Jumbo Dome Pilot Lights

Brilliant and Prominent

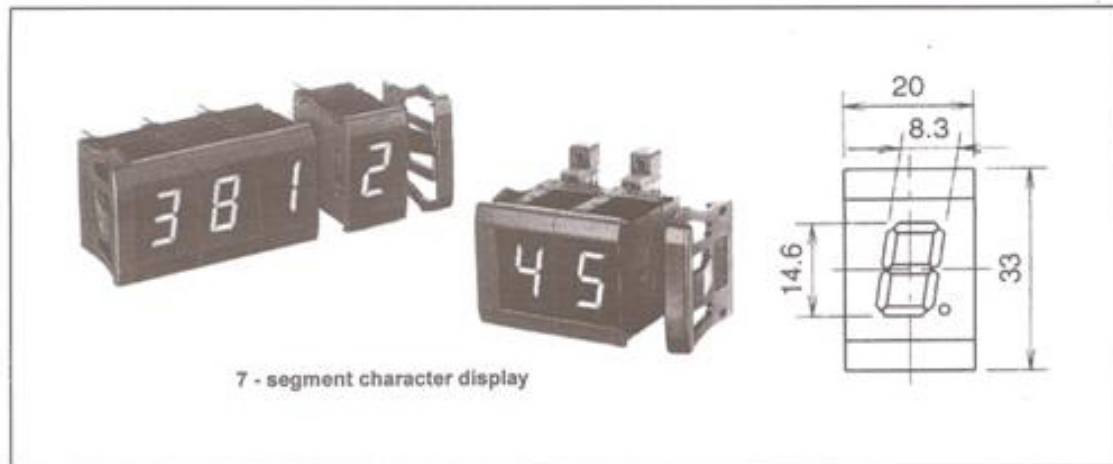
Clear recognition from a distance...

...and from the side.



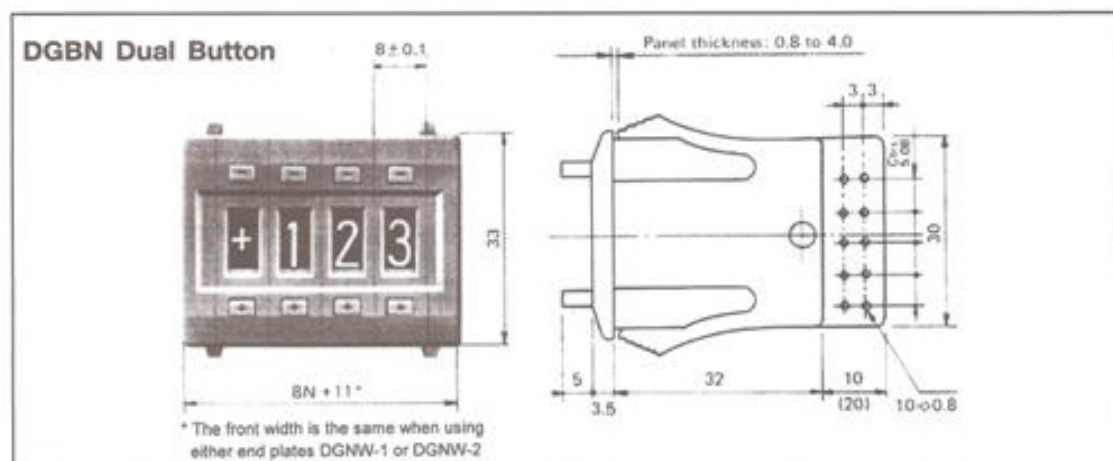
Lamp Type	Operating Voltage	Type No.	Lens Color	Price
LED	24V AC/DC	HW1P-5Q4-*	A: Amber G: Green R: Red W: White Y: Yellow	2,300.-
LED	24V AC/DC	HW1P-5Q4S	S: Blue	3,000.-
Incandescent	24V AC/DC	HW1P-5Q7-*	A,G,R,S,W,Y	1,500.-

DD3S series DISPLAY UNITS



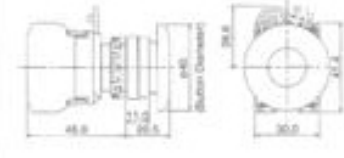
Notation	Function	Input Logic	LED Color	Type No.	Price (Baht)
Decimal	Standard	Positive	Red	DD3S-F31P-R	2,900.-
			Green	DD3S-F31P-G	2,900.-
		Negative	Red	DD3S-F31N-R	2,900.-
			Green	DD3S-F31N-G	2,900.-
Accessories					
Name				Type No.	Price (Bhat)
End Plate (pair)			Black	DD9Z-W-B	180.-
Connector (solder terminal)			Bule	DMC-1	240.-
Specier For IDEC		Right Side	Black	DD9Z-FG1R-B	180.-
DG Series Digital Switch		Left Side	Black	DD9Z-FG1L-B	180.-

DG series DIGITAL SWITCHES



Operation Type	Description	Housing Color	Type No	Price (Baht)
BCD*		Black	DGBN-031-B	450.-
BCD*	For Connecting Diode	Black	DGBN-031D-B	480.-
End Plate (pair)	2mm wide X2	Black	DGNW-1-B	130.-
End Plate (pair)	4mm wide X2	Black	DGNW-2-B	130.-
Connector	Solder Terminal	Blue	DMC-1	240.-

Ø22mm YW SERIES CONTROL UNITS

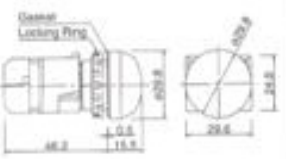
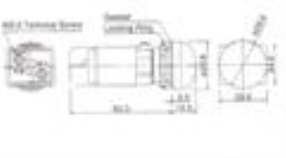
Pushbuttons		Approved	Degree of Protection : IP65		
Style	Dimensions (mm)	Button Color Code	Contact	Type No.	Price
		R, G, B, Y, S, W	1NC	YW1B-M1E01	85.- (5PCs/Pack)
			1NO	YW1B-M1E10 (MOMEN TARY)	
			1NO	YW1B-A1E10	130.- (5PCs/Pack)
			1NC	YW1B-A1E01 (MAIN TAINED)	
		RED	1NO	YW1B-A4E10R	190.- (5PCs/Pack)
			1NC	YW1B-A4E01R	190.- (5PCs/Pack)

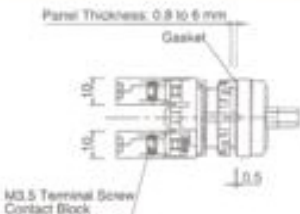
Illuminated Pushbuttons		Approved	Degree of Protection : IP65		
Style	Illumination Type	Operating Voltage	Contact	Type No.	Price
	LED	24VAC/DC	1NO-1NC	YW1L-M2E11Q4*	330.-
		110VAC/DC	1NO-1NC	YW1L-M2E11QH*	330.-
		230/240VAC/DC	1NO-1NC	YW1L-M2E11QM3*	330.-
	Incandescent	24VAC/DC	1NO-1NC	YW1L-M2E11Q7*	270.-
	LED	24VAC/DC	1NO-1NC	YW1L-MF2E11Q4*	480.-
		110VAC/DC	1NO-1NC	YW1L-MF2E11QH*	480.-
		230/240VAC/DC	1NO-1NC	YW1L-MF2E11QM3*	480.-
	Incandescent	24VAC/DC	1NO-1NC	YW1L-MF2E11Q7*	450.-

Note: Sold by Pack of 5 PCs

Specify a lens color in place of * in the Type No.

Ø22mm YW SERIES CONTROL UNITS

Pushbuttons		Approved		Degree of Protection : IP65	
Style	Dimensions (mm)	Lens Color Code	Illuminated Type	Type No.	Price
Full Vitage Type 		A (amber) G (green) R (red) S (blue) W (white) Y (yellow)	LED 24VAC/DC	YW1P-2EQ4*	130.- (5PCs/Pack)
			LED 110VAC/DC	YW1P-2EQH*	130.- (5PCs/Pack)
			LED 230/240VAC/DC	YW1P-2EQM3*	130.- (5PCs/Pack)
			Incandescent 24VAC/DC	YW1P-2EQ7*	110.- (5PCs/Pack)
Transformer Type 		A, G, R W, Y	LED 230V/240V	YW1P-2EM4 ⁵ *	210.- (5PCs/Pack)
		A, G, R S, W	Incandescent 230V/240V	YW1P-2EM4 *	160.- (5PCs/Pack)

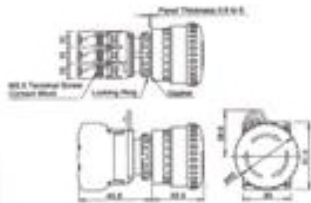
Selector Switches		Approved		Degree of Protection : IP65				
Knob Type		Dimension						
								
No. of Positions	Contact Configuration	Contact Block Mounting Position		Operator Position			Maintained	Price
				1	2	3		
90° 2-Position 	1NO (10)	①	NO		●		YW1S-2E10P	150.- (5PCs/Pack)
		②						
		③						
	1NO-NC (11)	①	NO		●		YW1S-2E11P	180.- (5PCs/Pack)
		②						
		③	NC	●				
45° 3-Position 	2NO (20)	①	NO	●			YW1S-3E20P	180.- (5PCs/Pack)
		②						
		③	NC			●	YW1S-33E20 (two-way spring)	220.- (5PCs/Pack)

Note: Sold by Pack of 5 PCs

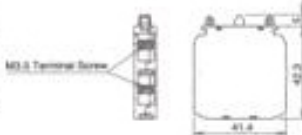
Specify a lens color code in place of * in the Type No.

Ø22mm YW Series Control Units

Emergency Stop Switches

Style	Illumination Type	Operation	Operation Voltage	Contact	Type No.	Price
Mushroom Ø40mm  		Pushlock		1NC	YW1B-V4E01R	260.-
				1NO	YW1B-V4E10R	260.-
				1NO-NC	YW1B-V4E11R	350.-
	Incandescent	Turn Reset	24V	1NO-NC	YW1L-V4E11Q7R	430.-
	LED		24V		YW1L-V4E11Q4R	470.-
	LED		230/240V		YW1L-V4E11QM3R	470.-

Accessories

Name & Shape	Description & Dimension (mm)		Type No.	Price
LED Lamp 	24V AC/DC		LSED-2*	130.-
	110V AC/DC		LSED-H*	
	230/240V AC/DC		LSED-M3*	
Single Contact Block 	Contact : 1NC		YW-E01	85.-
	Contact : 1NO		YW-E10	
Double Contact Block 	Contact : 2NC		YW-E02	180.-
	Contact : NO-1NC		YW-E11	
	Contact : 2NO		YW-E20	

Note : Sold by Pack of 5 Pcs.

Specify color code in place of * in the Type No.

Pushbuttons 22mm/25mm/30mm dia.

	Style	Function	Contact	Type NO.	Button Color	Unit Price (Baht)
Flush	22mm 	Momentary	1NC 1NO	ABW101-* ABW110-*	B,G,R, Y,S,W	230.-
		Alternate	1NC 1NO	AOW101-* AOW110-*		610.-
	25mm 	Momentary	1NC 1NO	ABS101N-* ABS110N-*	B,G,R, Y,S,	230.-
		Alternate	1NC 1NO	AOS101N-* Aos110-N*		700.-
	30mm 	Momentary	1NC 1NO	ABN101-* ABN110-*	B,G,R, Y	330.-
		Alternate	1NC 1NO	AON101-* AON110-*		750.-
Extended	22mm 	Momentary	1NC 1NO	ABW201-* ABW210-*	B,G,R, Y,S,W	280.-
		Alternate	1NC 1NO	AOW201-* AOW210-*		650.-
	25mm 	Momentary	1NC 1NO	ABS201N-* ABS210N-*	B,G,R, Y,S,	255.-
		Alternate	1NC 1NO	AOS201N-* AOS210N-*		730.-
	30mm 	Momentary	1NC 1NO	ABN201-* ABn210-*	B,G,R, Y	350.-
		Alternate	1NC 1NO	AON201-* AON210-*		750.-
Extended with Full Shroud	22mm 	Momentary	1NC 1NO	ABFW201-* ABFW210-*	B,G,R, Y,S,W	510.-
		Alternate	1NC 1NO	AOFW201-* AOFW210-*		950.-
	25mm 	Momentary	1NC 1NO	ABFS201N-* ABFS210-*	B,G,R, Y,S,	500.-
		Alternate	1NC 1NO	AOFS01N-* AOFS210-N*		1,000.-
	30mm 	Momentary	1NC 1NO	ABN2F01-* ABN2F10-*	B,G,R, Y	550.-
		Alternate	1NC 1NO	AON2F01-* AON2F10-*		950.-

- Price for additional contact, please see accessories section.
- Specify the button color in place of * in Type No.
- All prices are subjected to change without notice.
- All prices are excluded 7% VAT.

Mushroom Pushbuttons 22mm/25mm/30mm dia

Style		Function	Contact	Type No.	Button Color	Unit Price (Baht)
Mushroom	22mm  ø40 Button	Momentary	1NC 1NO	ABW401-* ABW410-*	B,G,R, Y,S,W	380.-
		Alternate	1NC 1NO	AOW401-* AOW410-*		720.-
	25mm  ø35 Button	Momentary	1NC 1NO	ABS301N-* ABS310N-*	B,G,R, Y,S	400.-
		Alternate	1NC 1NO	AOS301N-* AOS310N-*		780.-
	30mm  ø40 Button	Momentary	1NC 1NO	ABN301-* ABN310-*	B,G,R, Y	440.-
		Alternate	1NC 1NO	AON301-* AON310-*		790.-
Mushroom with Full Shroud	22mm  ø40 Button	Momentary	1NC 1NO	ABGW401-* ABGW410-*	B,G,R, Y,S,W	820.-
	25mm  ø35 Button	Momentary	1NC 1NO	ABGS301N-* ABGS310N-*	B,G,R, Y,S	780.-
	30mm  ø40 Button	Momentary	1NC 1NO	ABN3G01-* ABN3G10-*	B,G,R, Y	810.-
Palm Mushroom	30mm  ø74 (ø65) Button	Momentary	1NC 1NO	ABN401-* ABN410-*	B,G,R,	550.-
Mushroom w/Shallow Shroud	30mm  ø65 Button	Momentary	1NC 1NO	ABN4G01-* ABN4G10-*	B,G,R,	1,020.-
Mushroom w/Deep Shroud	30mm  ø65 Button	Momentary	1NC 1NO	ABN4F01-* ABN4F10-*	B,G,R,	1,100.-

- Price for additional contact, please see accessories section.
- Specify the button color in place of * in Type No.
- All prices are subjected to change without notice.
- All prices are excluded 7% VAT