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# TOTAL PRODUCTS

Total solutions for control & measurement



# NEW PRODUCTS

## Programmable Temperature & Humidity Controller

CE



### TH510

- Touch panel 5.7" 640 x 480 TFT-LCD
- Contact input (DI) with up to 32 contacts, contact output (DO) with up to 32 contacts
- Digital Recorder function (internal memory, SD card storage)
- Communication function (RS485/Ethernet)
- Various alarm functions
- Detachable, expandable structure
- Temperature, humidity independent PID control
- 3-language support (Korean, English, Chinese)
- Max. 100 patterns (Max 2,000 segment)

## Programmable Temperature Controller

CE



### TD511 / TD512

- Touch panel 5.7" 640 x 480 TFT-LCD
- Contact input (DI) with up to 32 contacts, contact output (DO) with up to 32 contacts
- Digital Recorder function (internal memory, SD card storage)
- Communication function (RS485/Ethernet)
- TD511 (1 channel control), TD512 (2-channel control)
- Universal input (Thermocouple, RTD, VDC)
- Detachable and expandable structure
- 3-language support (Korean, English, Chinese)
- Max. 100 patterns (Max 2,000 segment)

## Graphic Recorder

CE



### GR200

- Touch panel 5.7" 640 x 480 TFT-LCD
- Universal input (Thermocouple, RTD, VDC)
- Supported memory (SD/SDHC card, USB, Internal memory)
- RS 485/422 communication (Modbus, PC-link)
- Ethernet communication (Modbus-TCP)
- Remote monitoring by smart phone
- 3-language support (Korean, English, Chinese)
- Size : 145(W) x 145(H) x 173.5(D)

## Modular Temperature Controller

CE



### ML-D series

- 76,800 bps communication speed
- 50 ms sampling cycle (4 channels)
- 4-channel relay / voltage / current output
- 8 Event outputs
- Maximum 31 unit connections
- Stop / Monitor / Operation mode
- Ramp function
- Heating or Cooling single control (ML-D4)
- Heating / Cooling simultaneous control (ML-D2H)
- LBA : Loop break alarm (ML-D4)
- LBA / HBA(Heater break alarm) (ML-D2H)

## LCD Counter & Timer



### LC series

- Improved visibility with the wide viewing angle LCD
- Pre-scale setting range expanded (from 0.00001 to 999999)
- Modbus communication function added (RS485)
- Batch counter and batch timer setting functions improved
- Offset function for counter and timer
- Twin timer can be operated also in 1-stage output model
- OUT1 and OUT2 simultaneous output operation during twin timer operation in 2-stage output model
- Down-timer function added when timer SADD operation is set

## LCD Pulsemeter



### LP3 series

- Improved visibility with the wide viewing angle LCD
- 5-digit, 2-stage display  
(set value displayed in operation mode, easy parameter setting)
- High-speed pulse measurement (50Khz)
- 13 operation modes, including RPM measurement, pulse count and error ratio
- Structural design equivalent to IP66
- Thin size (depth: 67mm)
- Terminal protector for finger protection

## Solid State Relay

CE



### SSR-2 / SSR-3 series

- Protective cover structure for safety
- Two kinds of load voltage  
(Low voltage 90 -264 V a.c./High Voltage 90 - 480 V a.c.)
- Operation indicating lamp(Red LED)
- Unified installation pitch with other models
- The zero-cross switching /Random switching
- CE Marking

## Thyristor Power Regulator

CE



### TPR-2SL

- Improved safety by separation of power supply of circuit and power supply of load (Application of Free Voltage)
- Various control methods available depending on loads
- 2-kind alarm for detailed monitoring (caution/warning)
- Various protection functions (Short circuit of partial heater, Overcurrent, Overheating of heat sink, Short circuit of SCR etc.)

### TPR-3SL

- Optimal heat sink design for extreme durability
- Improved safety by separation of power supply of circuit and power supply of load
- Various alarm functions (Short circuit of heater, Imbalance of load, Overheating heat sink, Overcurrent etc.)

## Digital Temperature Controller



TH510 TH500 TH300 TD510 TD500 TD300 MC9 ML



NX series HX series (HX4) DX series



KX series AX series BR6 BR6A ED6 HD6 RS6



UX100 SM100 HY series DF series AT6 AT3



BK3 PX series NP200 NP100 BK6-M TP3 HN100 D55

## Analog Temperature Controller



HY-5000 HY-4500S HY-4700 AF1 AF1 (SUB) ND4 HY-1000 HY-2000

## Communication Converter



CV310 HMCE-103 HMCW-103

## Other



EM310 FS-3A HY-ER3

## Graphic Recorder



RT9 GR200 GR200

## Counter & Timer



LC3 LC4 GE series GF series



LC1 LT1 TT4 TT7H TF4 TF4N LF4N LY4 LY7

## Analog Timer



MA4SD MA4N T48N T38N T57NE T57NP T62NE T62NP TF62DE TF62DP T21

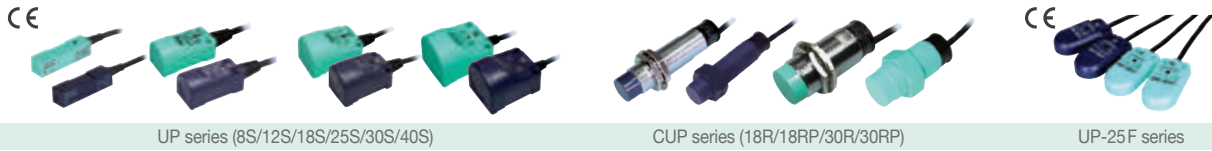
## Panelmeter



## Multi Pulsemeter



## Proximity Sensor



## Photo Sensor



## Sensor Controller



## Rotary Encoder



40/55/70/90/110/130/160/200 A 25/45/55 A 30/50/60 A 70/100 A 70/100/150/200/250/320/500/1,000 A 40/55/70/90/130/160 A

## Thyristor Power Regulator



## Solid State Relay



## Power Supply (SMPS)



# Control Switch

CE  
MR series  
Aluminum guard  
(Ø22 / Ø25 / Ø30)

Push button switch



MRF ●●●●○

Illuminated push button switch



MRX ●●●●○

Pilot lamp



MRP ●●●●○

Illuminated selector switch



MRT ●●●●○

Selector switch



MRS

Key switch



MRK

Melodies electrical buzzer



MRB

Emergency push button switch



MRE

Illuminated emergency push button switch



MRA

CE

MR series  
Plastic guard  
(Ø22 / Ø25)

Push button switch



MRF ●●●●○

Illuminated push button switch



MRX ●●●●○

Pilot lamp



MRP ●●●●○

Selector switch



MRS

Illuminated selector switch



MRT ●●●●○

Emergency push button switch



MRE

Illuminated emergency push button switch



MRA

Melodies electrical buzzer



MRB



CE  
AR series  
(Ø22 / Ø25)

Push button switch



ARF ●●●●●

Pilot lamp



ARP ●●●●○

Push button selectors



ARF-S

Selector switch



ARS

Illuminated selector switch



ART ●●●●●

Illuminated push button switch



ARX ●●●●○

Key selector switch



ARK

Emergency stop switch



ARE ●●

Illuminated Emergency stop switch



ARE ●●

CR series  
(Ø25 / Ø30)

Emergency push button switch



CR-257/307

Push button switch



CR-257R/307R ●●

Pilot lamp



CR-251/301 ●●●●●

Illuminated push button switch



CR-252/302 ●●●●○

Selector switch



CR-254/304 ●●●●○

Key selector switch



CR-253/303

Selector push button switch



CR-2511/3011

CR-308

CE  
SR series  
(Ø16)

Emergency switch



SRE

Pilot lamp



SRP ●●●●○

Push button switch



SRF ●●●●○

Key selector switch



SRK

Selector switch



SRS

Combination  
Display Light



CD-S/R

CR-40

# Limit Switch

CE (CCC)



HY-M900/LM900 series

CE (CCC)



HY-LS800 series

CE (CCC)



HY-L800 series

# Micro Switch

CE (CCC)



ZCN-500 series

CCC



HY-700 series

**Power Push Button Switch**



HY-500 series

BE series

**Main Switch**



MAS series

**Cam Switch**



SQ4 series

SQ5 series

HY-255

HY-305

HY-MRK

**Mono Lever Switch**



LEL/LES series

**Foot Switch**



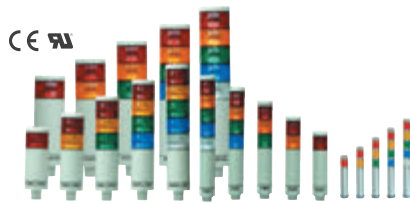
HY-100 series

**Hoist Switch**

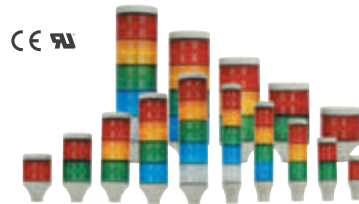


HY-1020 series

**LED Sign Tower**



STL series (Ø25, Ø40, Ø60, Ø80)



STS series (Ø40, Ø60, Ø80)



STE series (Ø60)

**Sign Tower Cube Tower Light**



TN series

CTB-KBB

CTC-KBM

**Wall Mounted Light**



WME

WMS

**Signal Light**



SLB series (Ø70)

LT series (Ø84)

RLA-WX RLA-WXB(Ø118)

**LED Turn Light**



TL100 series (Ø100)

**Turn Light**



TLB series (Ø60, Ø100, Ø150)

T series (Ø84)

**Fuse Holder**



HY F30 series

HY-F15 series

**Buzzer**



HY-256/306

HY-606(Ø65)

HY-606N

HY-226MA/MD

HY-256MA/MD

HY-606MA/MD

**Control box / Cable Connector**



HY-25/30 series

HYC-M1/M2

**Terminal Block**



10/15/25/35/60/100 A

10/20/30/60/100/150/200/300/400/500 A

HYBT series

HYBT-15

HYT series

**HANYOUNG NUX**

World Leader in Control & Measurement

Providing global industry-leading solutions since 1972



**MAIN PRODUCTS**

Temperature controller / Recorder / Counter / Timer / Panelmeter / Multi pulse meter / Proximity sensor / Photo sensor / Rotary encoder / Thyristor power regulator / Solid state relay / Power supply / Control switch / Combination display light / Power switch / Main switch / Cam switch / Limit switch / Micro switch / Hoist switch / Foot switch / Mono lever switch / Sign tower / Turn light / Buzzer / Terminal block / Fuse holder / Controlling box / Cable connector



Control switch

Control instrument

Photo sensor / Proximity sensor

Thyristor power Regulator

Sign tower / Signal light

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