



ML-series

# Module type Multi channel Digital Temperature Controller

## MLseries



**76.800  
bps**

Communication Speed

**50ms**

Sampling Cycle  
(4 channels)

**124 CH  
control**

Maximum Unit  
Connections

**8**

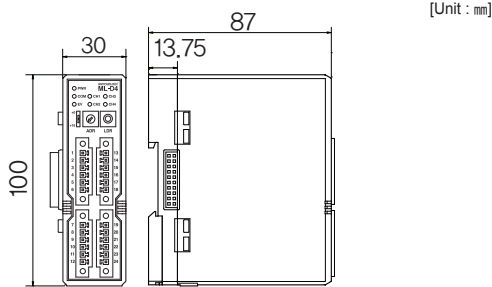
Event Relay Outputs

## features



- 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)
- DIN rail or screw mounting

## Dimension



• ML-D2H, ML-D4, ML-E same size.

## Suffix code

• ML-D2H

| Model       | Code                         | Description  |  |
|-------------|------------------------------|--|--|
| ML-D        | 2 H <input type="checkbox"/> | Modular temperature controller                                       |  |
| Channels    | 2                            | 2 channels   |  |
| function    | H                            | Heating & Cooling control (simultaneous)<br>HBA (Heater break alarm) |  |
| Output type | MM                           | OUT1(Heating)  | Relay output                                       |
|             |                              | OUT2(Cooling)  |  |
|             | SM                           | OUT1(Heating)  | SSR / SCR (4 – 20 mA d.c.)<br>parameter selectable |
|             |                              | OUT2(Cooling)  |  |
|             | SS                           | OUT1(Heating)  | SSR / SCR (4 – 20 mA d.c.)<br>parameter selectable |
|             |                              | OUT2(Cooling)  |  |

• ML-D4

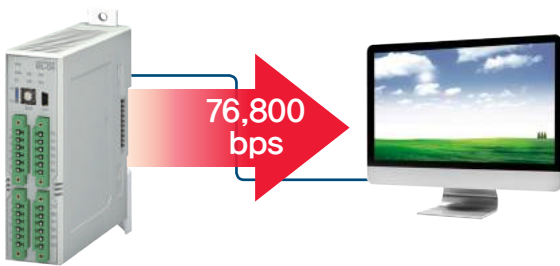
| Model       | Code                       | Description           |
|-------------|----------------------------|-----------------------|
| ML-D        | 4 <input type="checkbox"/> | Multi loop controller |
| Channels    | 4                          | 4 Channel             |
| Output type | M                          | Relay                 |
|             | S                          | SSR (12 V d.c.)       |
|             | C                          | SCR (4 – 20 mA d.c.)  |

• ML-E

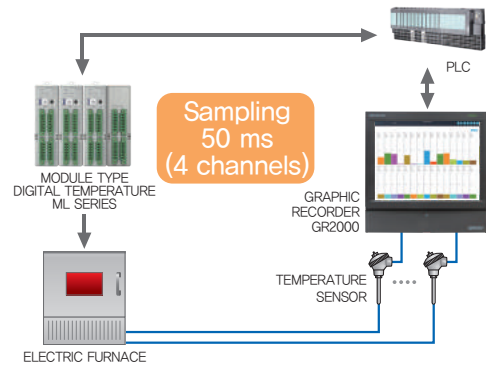
| Model | Description                      |
|-------|----------------------------------|
| ML-E  | Module type 8 events output unit |

## ML Key features

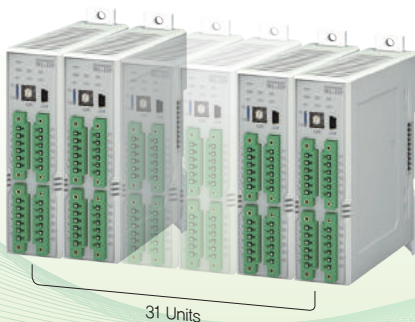
### 76,800bps communication speed



### 50 ms sampling cycle (4 channels)



### Maximum 31 unit connections



### 8 Event Relay outputs

