# merrytek ®

## INTELLIGENT LIGHTING CONTROL
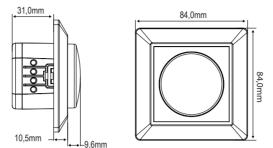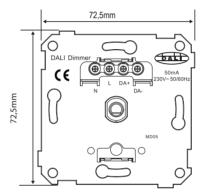
Instruction for
# DALI DIMMER 50mA

Model : MD05

• DALI DIMMER 50mA
• Up to 25 DALI ECG by one active
  DALI DIMMER
• Up to 4 DALI Dimmers can be connected
  in parallel to set up multiple control points
• Length of the DALI control cable: up to 300 m
• Intuitive manual dimming and switching
• Individual setting of minimal brightness level

## Specification:

| Input | Operating voltage | 220-240V AC ,50-60 Hz |
|---|---|---|
| | No-load consumption | 1.0W |
| Connection | Mains connection | Input: Screw terminal block L, N, |
| | Dali Connection | Screw terminal block DA+  DA-<br>Max .300m control wire length<br>Max.25 DALI ECG (50mA) |
| | Allowed leads diameter | 0.75 - 3.0mm2 |
| Working mode | Press | ON/OFF |
| | Rotate | Brightness |
| | Dimming Range | 0%-100% |
| | Ambient temperature | -0℃~50℃ |
| Dimension | Mounting Plate | 84*84mm( L*W) |
| | Recessed installation part | 55.4*31mm( Φ*H) |
| Environment | （Tc） | 65℃ |
| | IP Rating | IP20 |
| | Life-time | 50,000h |

## Dimension



31,0mm
84,0mm
84,0mm
10,5mm
9,6mm
72,5mm
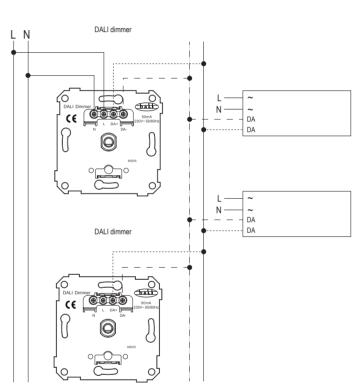72,5mm
DALI Dimmer
50mA
230V~ 50/60Hz
N  L  DA+  DA-
MD05

## Operation

• Switch the lighting On/off
• Make a short push onto the rotary knob
• Increase brightness of the lighting
• Turn the rotary knob to the right

• Decrease the brightness of the lighting
• Turn the rotary knob to the left

• Store a fixed switch on level
• Switch on the lighting and adjust brightness level as desired
• Push the knob briefly two times ( double click)
• Storage of the switch on level is confirmed by a two times blinking

• Delete the fixed switch on level
• Switch off the lighting
• Push the knob briefly two times ( double click)
• Deletion of the switch on level is confirmed by a switch on to 100%.

## Areas of application

• Conference rooms
• Restaurants
• Shop lighting

## Wiring :



DALI dimmer
L  N
L N DA DA
DALI Dimmer
50mA
230V~ 50/60Hz
N  L  DA+  DA-
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