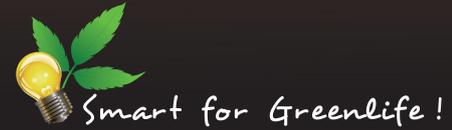




LT SERIES



Features

- Specially designed for use with magnetic contactors
- 4 relay outputs
- 12 dry contact discrete inputs
- The MC on/off, manual and trip statuses are synced with the IS switch
- On-board manual override buttons
- Can be set for use as single, group or pattern modes of operation
- Auto-learning set up capability
- Selectable behavior on power on reset either to restore relays or to relay off
- FCC and CE certified

Description

The LT3100 is an addressable relay that is specifically designed for use with magnetic contactors, and each can support up to four MCs. Unlike regular addressable relays, the LT3100 has built in support for getting the feedback status from the MCs it is connected to which it can then broadcast to the IS45 and other display devices on the D-Bus network. This eliminates the need for the operator to have to personally go to the equipment room just to inspect and operate the MCs, they can easily and conveniently operate the MC from afar using the IS45 or any enabled interface device. Multiple IS45s can be matched with the MC so that the MC can be accessed from multiple locations.

The LT3100 has 12 discrete inputs and 4 relay outputs. One relay and 3 discrete inputs to support each MC channel. Each relay output is accompanied with a status indicator and a manual control button right on the unit itself. The LT3100 can be configured to operate in single, group or pattern modes. It is equipped with an RJ11 jack for directly connecting the IS45 digital switch.

Applications

- Hallway lighting
- Fan coil unit control
- Lighting for lobbies and foyers
- Ball court lighting
- Showroom lighting

MC Feedback on the IS45

- MC status: red indicates ON and green indicates OFF.
- Manual status: red flashing indicates that the MC is ON and under manual control.
- Trip status: both red and green are flashing at the same time.

DIP Switch

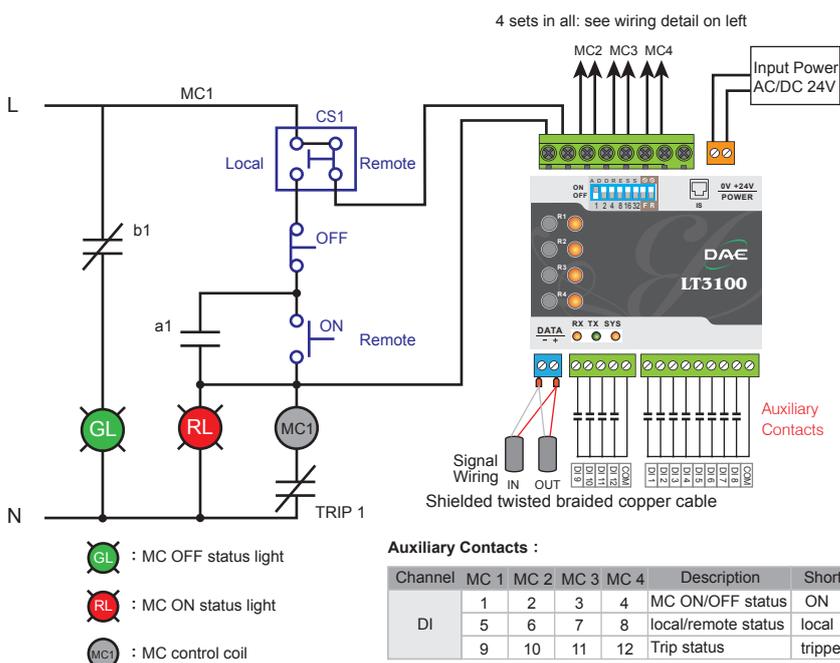
Switch	Usage
1~6	Device address 1 to 64 (all off = 64)
7	ON (O) = DI 1~4, no feedback OFF (F) = DI 1~4, feedback enabled
8	ON (O) = Relays are always off on power up OFF (R) = Relay restored to state prior to power interruption on power up

Front Panel and Terminals

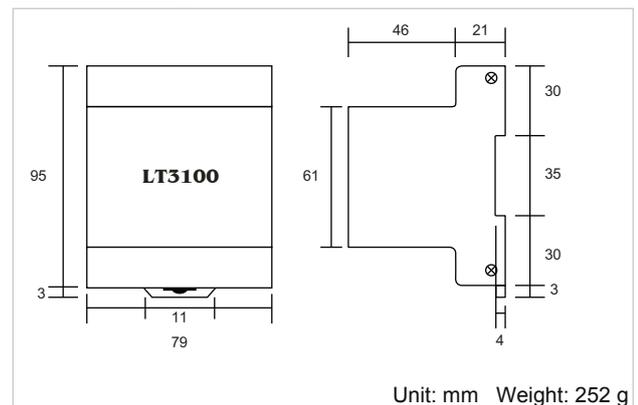
Specifications

Item	Description
Input Power	● AC / DC 24V
Input/Output Ports	● 12 optically isolated inputs ● 4 relay outputs, 10A each (resistive load, nominal voltage 110 or 220 VAC)
Power Consumption	● Standby: 2.3VA, Full load: 5.1VA
Operating Environment	● Temperature: 0 to 60°C ● Humidity: 0 to 90%RH (non-condensing)
Enclosure Material	● ABS plastic
Mounting	● DIN rail
IS switch port	● RJ11 jack
Device Address	● Set using DIP switches
Network Bus	● D-Bus
Groups/Patterns	● Each module can belong up to 32 sets of groups or patterns (out of a possible of 64 groups and 64 patterns)
Manual Control	● 4 buttons and LED indicators, one for each relay
Terminals Wire Gauges	● Power: orange terminals, 16 to 22 AWG ● Signal: blue terminals, 16 to 22 AWG ● Output: green terminals: 12 to 22 AWG ● Input: green terminals: 18 to 22 AWG
LED indicators	● Communication: Rx/Tx ,System Status: Sys
Weight	● 252 grams
CE Certifications	● EN6100-3-2 / EN61000-3-3 / EN55022 / EN55024 ● EN61000-4-2 / EN61000-4-3 / EN61000-4-4 ● EN61000-4-5 / EN61000-4-6 / EN61000-4-8 ● EN61000-4-11
FCC Certifications	● FCC PART 15 (47CER Ch.1 : 10-1-08 Edition)

Wiring Diagram



Dimensions



Ordering

Order Code	Description
LT3100-L	4 Channel Addressable Relays for Magnetic Contactors

\*This datasheet is for reference only, specifications subject to change without notice