

Lighting Control Unit

8210.00

The 8210 Lighting Control Unit is a self contained unit for installation in ceiling spaces. It is operated by remote signalling via a bus wire. All lighting control modules may be manually overridden by local operation of wall switches.

Automatic Operation

The unit will respond to ON, OFF, INHIBIT, and CLEAR INHIBIT command signals sent from the Area Control Unit (ACU) via the control bus.

Addressing

Each unit can be set to respond to any one of 200 addresses.

Local Manual Override

The unit can be operated by a local wall switch(s) or in conjunction with presence detectors. A single override switch may be connected to several units, regardless of electrical sub-circuit arrangements.

Status Output

An output is provided which may be used to monitor the status of the LCU. Related lighting groups, such as adjacent corridor light may be held ON if required in relation to the monitored output.

Load Capacity

8 amps of inductive fluorescent lighting can be switched. Protection is provided against high inrush currents.

Safety

A neon indicator shows the presence of mains power.

Standby Generator Operation

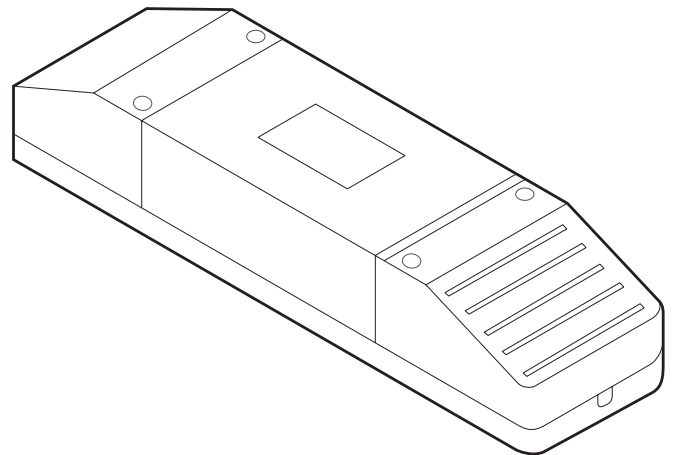
The unit may be set to accept instructions from the Area Control Unit to switch OFF and prevent it being switched ON at any time that the load is to be restricted (inhibit function).

OFF Only

The unit may be set to ignore automatic ON signals generated from the Area Control Unit.

Power Up Options

The unit may be set so that on application of mains power its output either goes to the OFF state (power up OFF), or to the ON state (power up ON). Units can also be set to a Power Up As Was function in lieu of the Power up On ability.

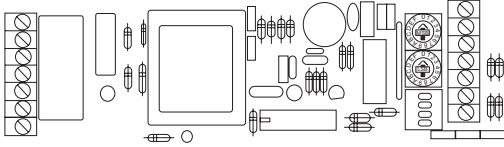


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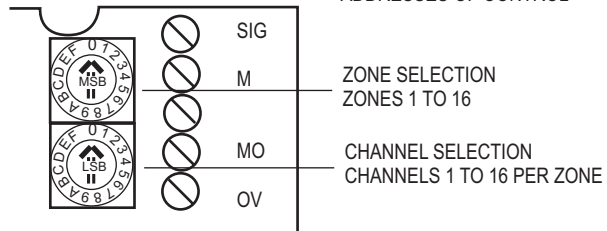
Interconnection

Connections are made via screw terminals suitable for solid or stranded cable up to 4 sq mm.

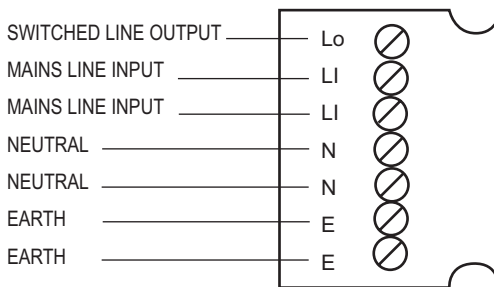


Channel Selection

THE SYSTEM PROVIDES FOR 200 ADDRESSES OF CONTROL

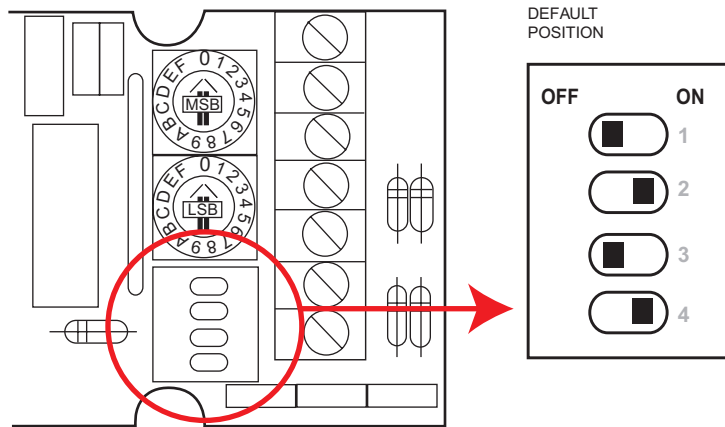


Mains Connections

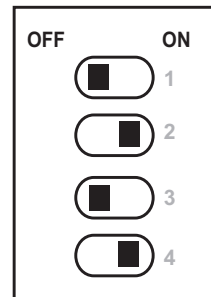


Options

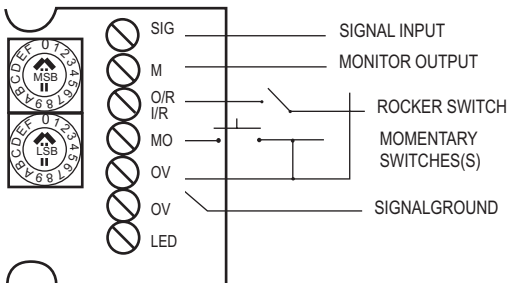
A four position dual in line switch provides selection for the following features.



DEFAULT POSITION



Control Connection



Switch Position	OFF	ON
1	Monitor output connected	Monitor output isolated
2	Power Up OFF	Power Up ON
3	Auto ON and OFF	Auto OFF only
4	Inhibit function ON	Inhibit function OFF

Ordering Information

Catalogue Number	Description
8210.00	LCU in enclosure
8200.00	Bare PCB

Technical Information

Overall Dimensions: 220mm x 56mm x 54mm
 Temperature Range: 0-55 deg C
 Case: Black Noryl PVC
 Voltage: 240V 50Hz
 Current Rating: 8 amps continuous
 120uF capacitance

The Installation

The units have a very low profile and are designed to be mounted in false ceiling spaces.

Fail Safe

Local light switches will still operate Lighting Control Units (and therefore lighting) should the control bus be

cut or damaged. If the Area Control Unit is connected or damaged local light switches will continue to operate local lights as normal. Standard light switches are connected directly to the LCU's and as such do not rely on a system signal bus to turn lights ON.