

Circuit Distribution Box (CDB)



Our CDBs offer the simplicity of a 'plug and play' install saving valuable time on site and can be energy saving. All our units are pre-wired and commissioned prior to despatch to eliminate any chance of wiring faults and can be changed or re-positioned without major disruption. Rigel is the popular standard choice for connection of luminaires to either presence, absence or retractive switches with the added feature of SELV switching and optional daylight hold off.

Rigel Circuit Distribution Box

Features

- One or two independent channels
- Manual Switching, Presence or Absence Detection
- Optional Daylight Hold Off when used with PIR
- Flexible SELV Switching
- 10 luminaire outputs (two channel – 5 per channel)
- Built in emergency test facility
- No commissioning required
- Strong Steel Casing
- 100% factory tested



Technical Data

- All CDBs require a 4 core feed to operate correctly
- Each CDB has twelve 4 Pole and three RJ45 ports assigned as follows:
 - * 1x 4 Pole Unswitched in for the power in feed
 - * 1x 4 Pole Unswitched out to enable other modules to be connected to the same circuit
 - * 1x RJ45 SELV Switch port for a SELV wall switch
 - * 2x RJ45 SELV Switch ports for a SELV PIR
 - * 10x 4 Pole luminaire outputs (split 5 to a channel for a 2 channel CDB)
- Multiple SELV switch points and/or PIR's can be added with the use of additional RJ45 leads and/or RJ45 3-way splitters
- Multiple switches can be installed with the use of the same RJ45 SELV wall switch drop lead
- If used the channel switches must be momentary push to make type switches
- Emergency testing facility built in via a SELV wall switch (if required)

Conformity: Directive EMC 89/336/EEC
 Directive LVD 2006/95/EC
 Unit independently tested to comply with the requirements of:
 BS EN 60669-2-1:2004
 BS EN 60669-2-3:1999
 BS EN 55015:2006
 BS EN 61000 series of standards for EMC compatibility

Supply voltage: 230 Volts AC +10%/-6% 50Hz
 Current Rating: 16Amp
 Relay Rating: 16A resistive and incandescent

6A fluorescent
 3A Compact fluorescent
 3A Low Energy
 3A Ventilation Fans

RJ45 Wiring: T568B CAT 5. 5/12v DC SELV

IP Rating: IP2X

Connection via Wieland GST 18i 4 pole female, male locking/latching type, complying with the requirements of BS EN 61535 : 2009

Operating temperatures -5°C to 35°C

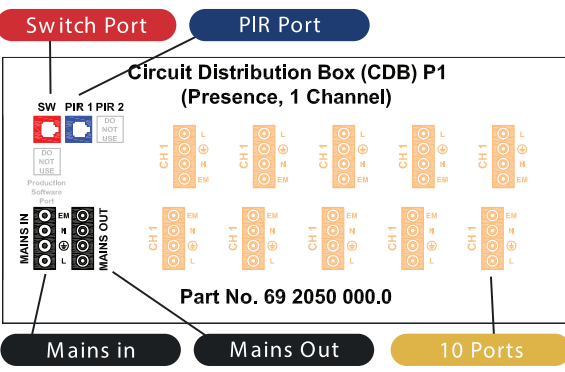
All RIGEL casings are manufactured from a galvanised material equal to DX51D G275 in accordance with BS EN 10142:2000. External mounting flanges are fitted to allow quick and easy installation within the ceiling void.

All RIGELs are 100% factory tested. To ensure traceability all RIGELs are labelled with the date of testing and a unique serial number both of which are also recorded electronically.

RIGEL Types and standard switching configurations

Each RIGEL unit is a 4 Pole One or Two Channel SELV Switching Module utilising SELV Wall Switches and/or SELV Combined Presence and Daylight Sensors to control the lights.

Presence Detection



Circuit Distribution Box (CDB) P1 (Presence, 1 Channel)
Part No. 69 2050 000.0

Switching options available are:

- Presence Detection via a SELV PIR
- Presence Detection with Daylight Hold Off (all luminaires)

An override on facility is built in to this module (operated via an SELV Wall Switch) which will hold all lights on until released.

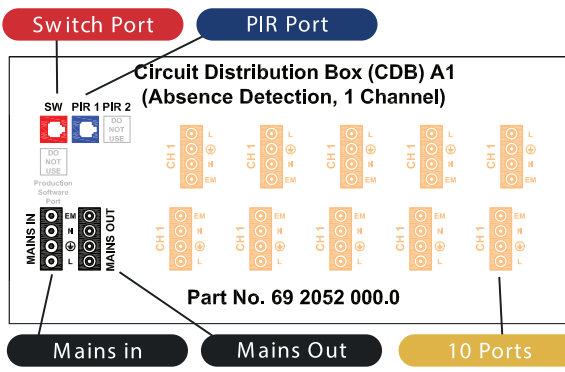
(P2 - 2 Channels)
Each independent channel on this type of unit has the following switching options:

- Presence Detection via a SELV PIR
- Presence Detection via a SELV PIR with Daylight Hold Off (all luminaires on that channel only)

An override on facility is built in to this module (operated via a SELV Wall Switch) which will hold all linked channels on together until released.

This module may be used over two separate rooms/areas and 1 channel may operate in a different switching option to the other.

Absence Detection



Circuit Distribution Box (CDB) A1 (Absence Detection, 1 Channel)
Part No. 69 2052 000.0

Switching options available are:

- Manually switched via a SELV Wall Switch
- Absence detection via a SELV Wall Switch and SELV PIR
- Presence detection as above with Day Light Hold Off (all lights)

(A2 - 2 Channels)
Each independent channel on this type of CDB has the following switching options:

- Manually switched via a SELV Wall Switch
- Absence detection via a SELV Combined Presence and Daylight Sensor
- Absence detection as above with Day Light Hold Off (all lights on that channel only)

An override on facility is built in to this module operated via an SELV Wall Switch).

This module may be used over two separate rooms/areas and 1 channel may operate in a different switching option to the other.

Code	Description
P692050000.0	CDB P1 (1 Channel Presence and Daylight Hold Off)
P692051000.0	CDB P2 (2 Channel Presence and Daylight Hold Off)
P692052000.0	CDB A1 (1 Channel Absence and Daylight Hold Off)
P692053000.0	CDB A2 (2 Channel Absence and Daylight Hold Off)