



IDRATEK

INTELLIGENT AUTOMATION

IRM-001 Infra-Red Receiver

IDRATEK LTD
8 Clanfield Court
Newcastle Upon Tyne
NE3 1TZ
UK

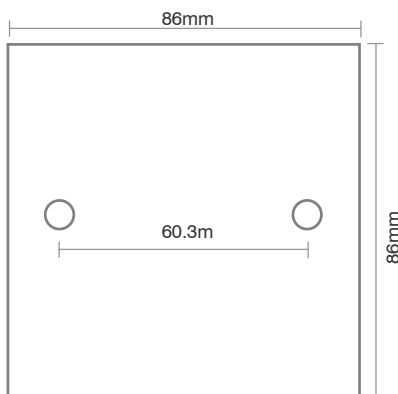
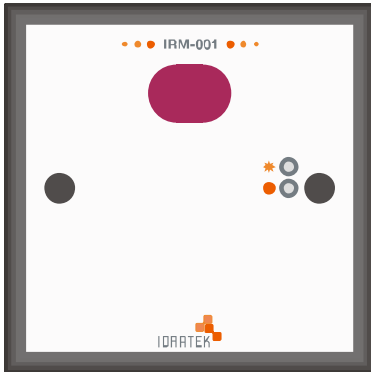
t: +44 191 2840686
w: www.idratek.com



The information in this document is provided for guidance only. IDRATEK Ltd reserve the right to make any necessary changes, without notice, in order to improve the quality of their products.

The IRM-001 Infra-Red Remote Control Receiver module provides both an IR remote control input to the network, using almost any standard hand held IR Remote Control unit, and also a means of encoding and relaying incoming IR frame data to the network and hence to other interested devices such as ITR, ITX or MFP modules (eg. for A/V remote control extender functions). Recognition codes are fully re-trainable and learnt codes are stored in onboard non-volatile memory.

As with other IDRATEK modules a range of Reflex functions is provided to allow control of other network devices based on recognised remote control codes.



Features – Receiver

- Can be trained to recognise (for Reflex action) up to 16 arbitrary frame codes from most standard handheld IR control units
- Incoming frame data can be interrogated via the network eg. for analysis or extended recognition purposes
- Incoming frame data can be relayed to networked IR TX capable modules to provide a 'remote control extender' function. Relay addressing is user definable.
- Recognition and relay functions can operate simultaneously (eg. only unrecognised frames relayed, whilst recognised frames causing Reflex actions)
- Multiple event triggers (detailed elsewhere)
- Extensive control over Reflex functionality
- Capable of auto-decoding Philips RC5 protocol frames into 2 byte format
- User control of 'Repmatic' rate (similar to typematic rate concept for a keyboard)
- External IR sensor connection (allows main module to be hidden eg. within ceiling cavity)

Features – General

- Fully IDRANet Compatible
- Status indicator LED
- Infra-Red Activity Indicator
- Module Initialise trigger

Electrical

- Operating voltage 12-15V DC
- Current consumption 28mA (nom), 35mA (max)

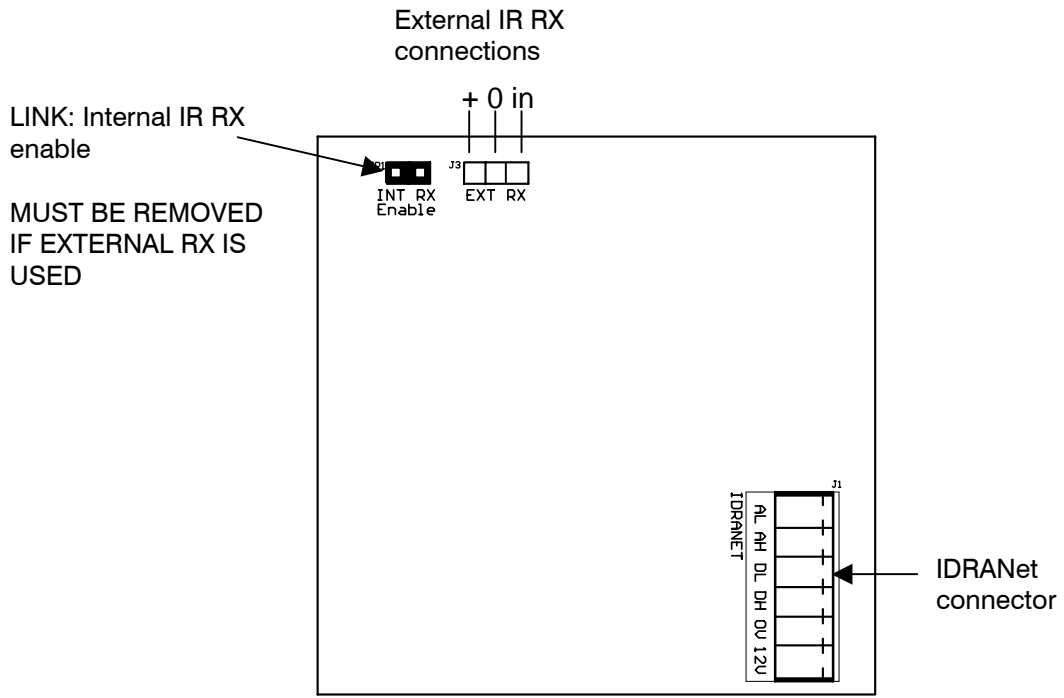
Environmental

- Operating temperature -10°C to +45°C
- Operating humidity 5% to 95% (non-condensing)

Mechanical

- Designed to fit UK style standard 35mm deep electrical pattress
- 60.3mm fixing centres using standard M3.5 screws

Module Connections



Example Connections

