

Intermoco Boxed Solution Setup V2

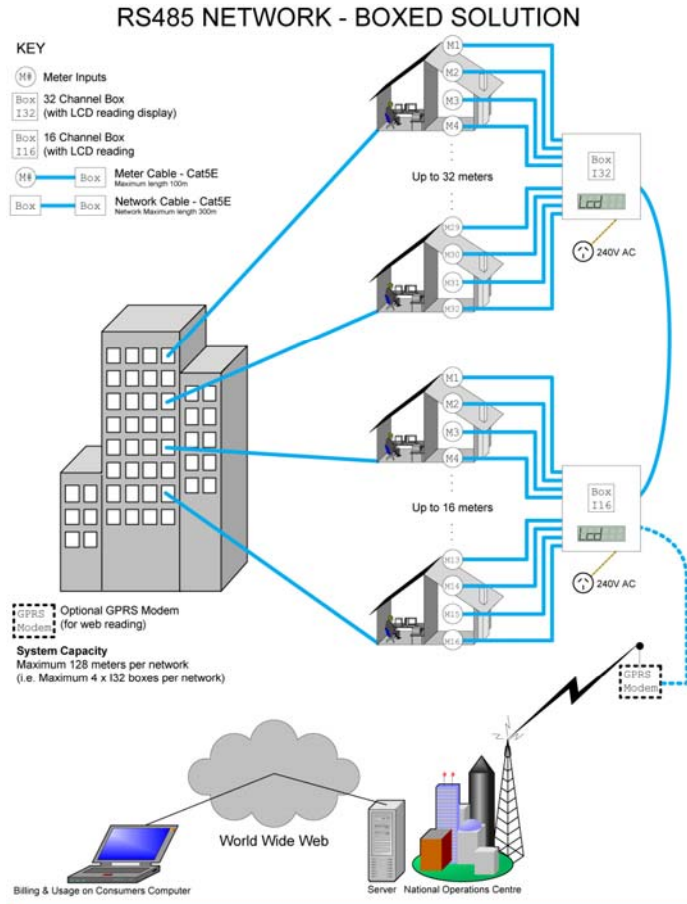
INTERMOCO BOXED SOLUTION SETUP V2

Intermoco Connection Terminals

The Intermoco Boxed Solution has 32 (Model i32) or 16 (Model i16) inputs terminal blocks, one for each meter input. In addition each Box has 2 terminal blocks to allow interconnection of Boxes to form a system network. Up to 4 x i32 (or 8 x i16) Boxes can be inter-connected, allowing up to 128 meters to be read at any Box connected to the network.

Intermoco Cable Requirements

All Intermoco hardwired systems utilise standard CAT5E data cable.



**Multi-storey Apartment Gas, Electricity, Cold & Hot Water
Boxed Solution Configuration (Using RS485 Network)
Dry Contact (Pulse) Type Meters**

Box Installation

1. Mount box components to wall, and adjacent to 240v powerpoint.
2. Connect power.
3. Introduce meter cables into box via grommets in base.
4. Box requires commissioning and programming of meter inputs, please contact AllFlow for detailed information on this.

METER REED SWITCH TO CAT5E CABLE CONNECTION

1. Connect **Brown** and **White** wires from reed switch cable to one of the twisted pairs in the CAT5e cable, using scotchloc ur2 gell filled connectors.
2. If meters are installed adjacent to each other (within 300mm), multiple meters (up to 4) can be connected through a single CAT5e cable, which contains 4 twisted pairs of wires.

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BOX TO BOX INTER-CONNECTION

Method to Inter-Connect Multiple i32 and/ or i16 Boxes in a Network

To form a network using the Intermoco Boxed Solution, use the 4 wire network terminals to connect Box to Box. 2 sets of the twisted pairs in the CAT5e cable are used to accomplish this.

Cable between the Boxes should be continuous. Once Boxes are networked, all meters on the network can be read from any Box.

WARNING: THESE SETUP NOTES ARE A QUICK GUIDE TO SYSTEM INSTALLATION, FULL AND DETAILED DIRECTIONS ARE PROVIDED WITH THE EQUIPMENT.

METER TO CABLE CONNECTION

HOT MULTIJET WATER METERS

(MODELS WM150HWM TO WM250HWM)

Pulse Rate: 1 Pulse / 100 Litres

RMC HOT WATER METER

Reed Switch Part No: WMRS4 (screw in face type)

This 3 wire reed switch, has the following connection wires.

RED – Pulse Output

BLACK – Common

BLUE – Not Used

Meter to Cable Connection – Cold Multijet Water Meters

(MODELS WM200MRP TO WM503MRP)

Meter Pulse Rate: 1 Pulse / 100 Litres

Reed Switch Part No: WM598 (clip in face type)

This 4 wire Reed Switch, has the following connection wires.

BROWN – Pulse Output.

WHITE – Common.

YELLOW – Not Used.

GREEN – Not Used.

METER TO CABLE CONNECTION

COLD PD WATER METERS

(MODELS WM150PD TO WM252PD)

Pulse Rate: 1 Pulse / 0.5 Litres

Reed Switch Part No: WMRS5 (tube type)

This 2 wire reed switch, has the following connection wires.

RED – Pulse Output

BLACK – Common

METER REED SWITCH TO BOTH COLD AND HOT CABLE CONNECTION

1. Connect **Black** and **Red** wires from reed switch cable to one of the twisted pairs in the CAT5e cable, using scotchloc ur2 gell filled connectors.
2. If meters are installed adjacent to each other (within 300mm), multiple meters (up to 4) can be connected through a single CAT5e cable, which contains 4 twisted pairs of wires.

CABLE to INTERMOCO BOX CONNECTION – ALL METER TYPES

CABLE TO BOX CONNECTION

1. Connect the 2 wires from the CAT5e cable to the 2 screw terminals for the relevant input (ie Input 1, Input 2, etc).