

Remote Access Installation



To: Remote Access Unit Customers

From: Mark Lane

Subject: Remote Access Installation

Date : 18, August 2021

1 Installing the Ixon Unit

Important note:

The installation of this hardware should only be carried out by competent, trained personnel.

The notes here are intended as a guide only.

Optima Control Solutions Limited will not be liable for any damage, loss, injury or any other factors howsoever caused from the following of these instructions.

Step 1:

Power off the panel

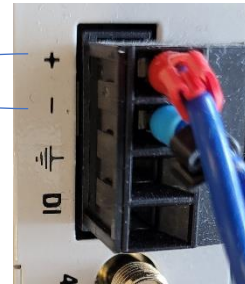
Step 2:

Identify a suitable 24VDC
Power supply source.

Step 3:

Connect the 24 VDC Supply to terminal + on Ixon
Connect the 7 0VDC Ground or to terminal – on Ixon

24VDC Power Supply



Can be removed from this unit and used to power-up the new Ixon unit which replaces this device.

Alternatively, there are new cables provided which can be used to connect to the panel power supply marked up 28 and 7.

Optional remote access enable

Remote Access Installation

2 Installing the Antenna (4G Antenna)

Important note:

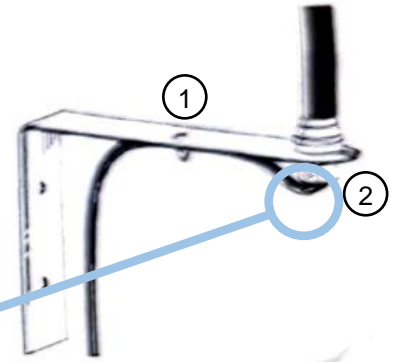
The receiver should be totally powered down (remove the 24VDC connection from the Ixon unit) before antenna installation.

Choose a location for the antenna this is as high up as possible in the factory. The cable length of 10 metres should be sufficient for most installations. The antenna is omnidirectional so does not have to be oriented to any transmitter.

1. If not already affixed to the bracket, feed the cable on the antenna through the bracket slot and secure the antenna with the washer and nut. Secure the cable to the bracket using a cable tie (1)

2. **It is important** to ensure that a drip loop is left (approx. 2" radius) on the antenna cable as it exits the base of the antenna, even if the unit is located indoors. (2)

3. Feed the extension antenna cable and connector through a compression-gland fitting into the control panel enclosure to maintain enclosure IP-rating



3 Installing the Antenna (Wi-Fi Antenna)

- Carefully drill a 14mm hole (1) in the enclosure
- To ensure good earth/ground contact, remove the paint around the hole on the underside to reveal the bare metal. Insert the base through the hole (a)
- Ensure the 'o' ring is correctly located under the top assembly, then screw onto the base and tighten (b). Take care not to mark the plastic or misshape the panel you are fixing to by over-tightening. Once stiff, apply no more than ONE turn of the spanner. The antenna is suitable for panels or double skin applications up to 4mm thick.
- The enclosed base of this antenna together with the high quality cable used, means that there is almost no radiation emitted within the enclosure, thereby avoiding interference with other electronic devices such as PLC's, Drives, Loadcell Amplifiers etc. (c)

