

IWC3052 SETUP MODULE FOR RELAY ENABLED PEOPLE COUNTERS

The IWC3052 Setup Module provides an RS232 serial connection, for configuration purposes, to the Irisys 3000 series Relay enabled counter.



Figure 1

This module cannot be used to configure the IP enabled counters in the 3000 series range of Irisys people counters. The preferred method of configuring the IP enabled counters is via the IP connection using your preferred internet browser. They can also be configured via serial connection, if required, but the alternative IWC3062 serial cable must be used for this purpose. For relay enabled units in the 3000 range of counters, setup over serial connection is the only method of configuration available, and this module must be used.

Also, note, the IWC3052 RS232 interface is for relay enabled counters in the 3000 series people counters only. It is a bone coloured to differentiate it from the setup module IWC2044 which is used for configuring the 1000 series people counters only (e.g. IRC1004). The two module types are not interchangeable.

1. Software Installation

To configure a counter, using the IWC3052 serial cable, the Microsoft .Net 3.5 framework runtime files, must first be installed, if not already present on your laptop. These are available as a free download from the Microsoft website, and are included with the CD version of the Irisys Serial SetupTool software if you have it. Alternatively, connecting to the Internet and performing a Windows Update is the simplest way of getting these files – it is recommended that all Windows updates are selected and installed at the same time. Once the .Net 3.5 files are installed, install the executable version of the SetupTool from the CD, or download it from the Irisys FTP site (<ftp://ipcounter:update@irisysftp.irisys.co.uk>).



Figure 2

If you do not have a serial port on your laptop then you must use the USB to serial adapter supplied with the serial lead. The Windows drivers for this device are also available for download from the Irisys FTP site, if required.

Once the software (and USB driver if required) is installed, you can proceed with the configuration.

2. Connecting

- 2.1. The setup module cannot be connected to the unit whilst it is on its base, so you must detach it first. To do this turn the detector a few degrees anti-clockwise to unlock, and pull away from the base.
- 2.2. Locate the small connector on the underside of the detector. Connect the ribbon cable, from the set-up module, to this connector. Note that the connector is keyed and the ribbon cable will only fit one way around.
- 2.3. Slide the metal clip over the edge of the unit's outer plastic housing to hold it in place. The setup module should now be installed as shown in [Figure 3](#).
- 2.4. The complete counter and setup module assembly can now be connected back on to its base. To do this, push the unit up into the base while turning it anti-clockwise until the tabs engage into position, and then turn a few degrees clockwise to lock in place, taking care not to damage the ribbon cable. Note: you may need to gently guide the metal clip of the Set-up module into the cut out of the base before the counter will locate in place.
- 2.5. Power up the counter, and it should begin the normal start and warm up routine indicated by LED activity on the counter itself (see document 'IPU 40185 IP Counter LED Error codes' for more details); warm up may take a few minutes and then the unit is operational.
- 2.6. If using the USB to serial adapter, connect it to your laptop, before running the Irisys Serial SetupTool. Run the software by double clicking the shortcut on your desktop or by selecting from the Windows Start menu.
- 2.7. Now you can connect the other end of the serial cable to your PC's COM port (or to the USB adapter) and configure as normal (see 'IPU 40183 IP Counter Setup Software Manual' for details of configuration procedure). Ensure all settings are made permanent before disconnecting from the counter.



Figure 3

3. Disconnecting

- 3.1. Detach the counter head, with setup module, from its base. To do this turn the counter a few degrees anti-clockwise to unlock, and carefully pull away from the base.
- 3.2. Disconnect the ribbon cable and unclip it from the counter, then reattach the counter to its base, ensuring that it is locked in position.