Installation Manual

Com IP
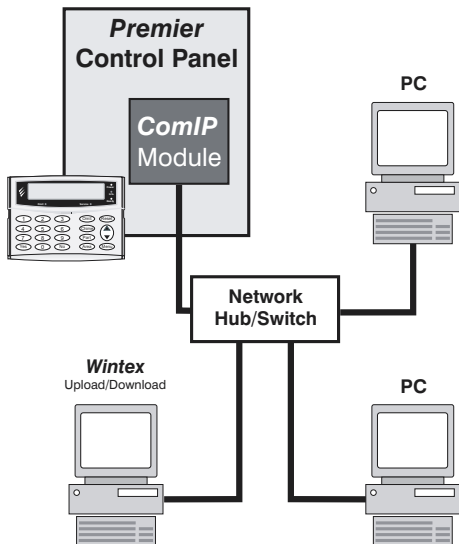
TCP/IP Module

Texecom
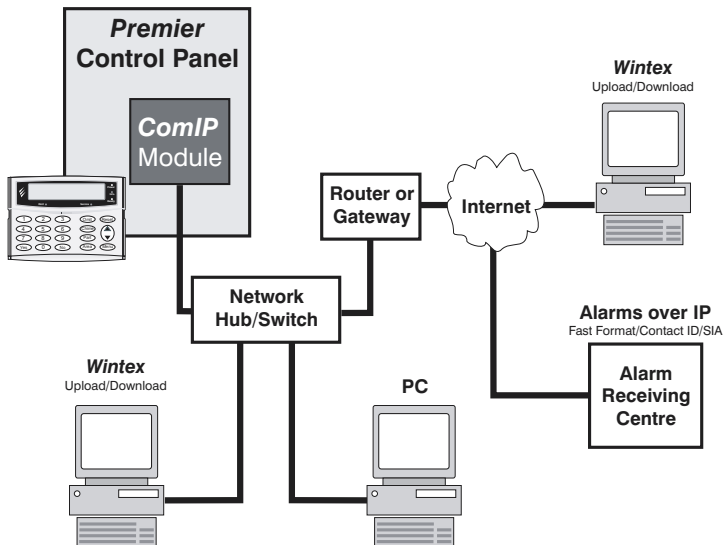www.texe.com

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1. Overview

Introduction

The *ComIP* module allows the Premier control panels to be connected to either a Local Area Network (LAN) or Wide Area Network (WAN). The internet is considered as a WAN. Once the control panel is connected to a network the following features can be achieved:

- Upload/Download via *Wintex UDL*
- Signal alarms to an Alarm Receiving Centre
- High security polling by Alarm Receiving Centre
- Remote control and diagnostics using a web browser

Typical LAN configuration

Typical WAN configuration

Supported Control Panels

The *ComIP* module is supported on the following *Premier Series* control panels:

- *Premier 412/816* (Version 9.0 onwards)
- *Premier 832* (Version 2.0 onwards)
- *Premier 48* (Version 3.0 onwards)
- *Premier 88/168* (Version 6.0 onwards)
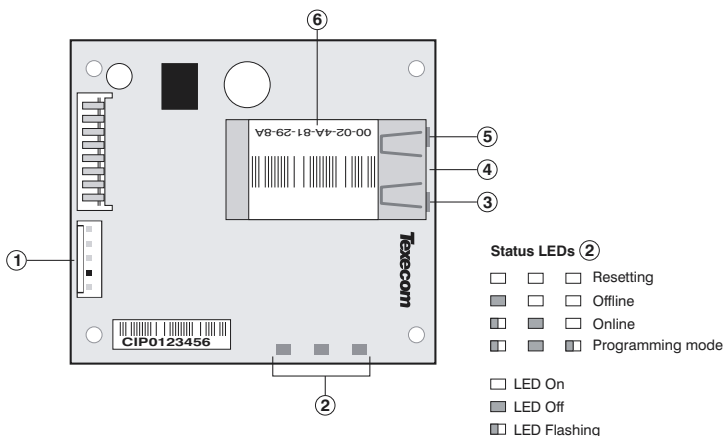- *Premier 640* (Version 1.0 onwards)

2. Installation

General

The installation of the *ComIP* module requires a basic understanding of networking and TCP/IP protocol. If you are not familiar with these concepts, you may require assistance from an IT professional before attempting to install the module.

The *ComIP* module is designed to be fitted inside the control panel and is powered via the harness connection. A suitable network cable should be fed into the control panel to allow connection the module.

PCB Layout

Status LEDs ②

☐	☐	☐	Resetting
■	☐	☐	Offline
▥	■	☐	Online
▥	■	▥	Programming mode

☐ LED On
■ LED Off
▥ LED Flashing

① 5-way harness connection to control panel

② *ComIP* Status LEDs

③ Network status LED (Left)

④ Network status LED (Right)

⑤ RJ45 network Connection

⑥ MAC address

Installation

1. Select "Engineers" mode on the control panel then remove the control panel lid.

2. Choose a suitable location for the module. Remember to allow enough space to plug in the network cable and connect the harness lead (supplied).

3. Fit the 4 self adhesive feet supplied to the four mounting holes. Remove the self adhesive backing paper and secure to the base of the control panel.

4. Connect the 5-way end of the harness to the 5-way connector on the module.

5. Connect the other end onto a control panel communication port. The harness is supplied with a 5 to 7 way adaptor which may be required when plugging onto COM2 on the control panel. If the harness is being plugged onto COM1 the 5 to 7 way adaptor should be unplugged thus allowing the 5 way connector to plug directly onto COM1 on the control panel.

6. Connect the network cable to the RJ45 connection on the module. The network status LED's indicate the following:

Left LED	Right LED	Meaning
Off	Off	No Link
Off	Solid Amber	100BASE-T Half Duplex Link
Off	Blinking Amber	100BASE-T Half Duplex; Activity
Off	Solid Green	100BASE-T Full Duplex Link
Off	Blinking Green	100BASE-T Full Duplex; Activity
Solid Amber	Off	10BASE-T Half Duplex Link
Blinking Amber	Off	10BASE-T Half Duplex; Activity
Solid Green	Off	10BASE-T Full Duplex Link
Blinking Green	Off	10BASE-T Full Duplex; Activity

Commissioning

The control panel must be programmed correctly in order for the module to function as expected. The following section covers the items that need to be configured on the control panel in order to make the *ComIP* module operate correctly.

The actual details on how to program the following items can be found in the relevant control panel installation manual.

ComIP Address
Each TCP/IP node on a network host has a unique IP address. This address provides the information needed to forward packets on the local network and across multiple networks if necessary.

IP addresses are specified as **x.x.x.x**, where each x is a number from 1 to 254; for example, 192.168.0.200. The *ComIP* must be assigned a unique IP address to use on a TCP/IP network. If the address is left blank or is programmed as 0.0.0.0 the *ComIP* module will try to automatically obtain an IP address from a DHCP server (if one is running on the network).

ComIP Port
The port number used to identify the channel for remote initiated connections. The default setting is 10001. The range for port settings is: 1-65535 except for the following reserved ports:

Port Numbers	Reserved for
1-1024	Reserved (well known ports)
9999	Telnet setup
14000-14009	Reserved
30718	Reserved
10000 - 10999	Recommended for raw socket connections

ComIP Gateway
The gateway address, or router, allows communication to other LAN/WAN segments. The gateway address should be the IP address of the router connected to the same LAN segment as the *ComIP*. The gateway address must be within the local network.

ComIP Netmask
A netmask defines the number of bits taken from the IP address that are assigned for the host section. The default mask is 255.255.255.0 (8 bits).

Control Panel Com Port
The *ComIP* is connected to a com port on the control panel. This port must be configured to communicate with the *ComIP* module, see "Com Port Setup" in the relevant control panel installation manual for further details.

Specifications

Supply Voltage: 10 - 14VDC

Current Consumption: 210mA

Dimensions: 63mm x 55mm x 15mm

Packed Weight: 60g (Approximately)

Standards

The *ComIP* conforms to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC (amended by 93/68/EEC) and Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *ComIP* is covered by a two-year warranty against defects in material or workmanship.