

# PERTRONIC INDUSTRIES LTD

## SUPPLEMENTARY DATASHEET

### F220 & Net2 Product Range

#### Compatibility Tables



## Introduction

All components used in a Pertronic F220 & Net2 fire system must be mutually compatible.

This document lists the minimum requirements for compatibility with each version of the F220 fire panel and the Net2 Network Card.

### F220 Masterboard

The following table lists the minimum firmware and hardware versions required for compatibility with each version of the F220 Masterboard.

|                   |  |                                   | F220 Masterboard |      |      |      |      |         |                      |                      |
|-------------------|--|-----------------------------------|------------------|------|------|------|------|---------|----------------------|----------------------|
|                   |  |                                   | HW               | 3.94 | 3.95 | 3.95 | 3.95 | 3.95    | AU: 3.95<br>NZ: 3.97 | AU: 3.95<br>NZ: 3.97 |
|                   |  |                                   | FW               | 1.00 | 2.0x | 3.00 | 4.00 | 5.04    | 6.00                 | 7.00                 |
| Pertronic Product | Net2 Network Card  | NET2CARD                          | HW               | N/A  | 2.06 | 2.06 | 2.06 | 2.06    | 2.06                 | 2.06                 |
|                   |  |                                   | FW               | N/A  | 2.00 | 3.00 | 4.00 | 5.04    | 6.00                 | 7.00                 |
|                   | F220 Keyboard-Display & F220 Full Function Mimic         | F220LCDAUS, F220LCDNZ & F220-FFMx | HW               | 1.00 | 1.01 | 1.01 | 1.01 | 1.01    | AU: 1.01<br>NZ: 1.11 | AU: 1.01<br>NZ: 1.11 |
|                   |  |                                   | FW               | 1.00 | 2.00 | 3.00 | 4.00 | 5.04    | 6.00                 | 7.00                 |
|                   | F220 Enhanced Mini Mimic & F220 Alarm Mini Mimic         | F220-EMMx & F220-AMMx             | HW               | N/A  | 1.00 | 1.00 | 1.00 | 1.00    | 1.00                 | 1.00                 |
|                   |  |                                   | FW               | N/A  | 2.00 | 3.00 | 4.00 | 5.04    | 6.00                 | 7.00                 |
|                   | Charger Controller (AU only)                             | CCON24V2.1A                       | HW               | 1.10 | 1.10 | 1.10 | 1.10 | 1.10    | 1.10                 | 1.10                 |
|                   |  |                                   | FW               | 1.00 | 1.02 | 1.02 | 1.06 | 1.08    | 1.08                 | 1.08                 |
|                   | F120 Loop Driver II (see note 1)                         | F120P2LMB-x                       | HW               | 1.16 | 1.16 | 1.16 | 1.16 | 1.16    | 1.16                 | 1.16                 |
|                   |  |                                   | FW               | 4.00 | 4.02 | 4.02 | 4.08 | 4.10    | 4.12                 | 4.12                 |
|                   | 12-way LED Display on High-Speed RS-485 Bus (see note 2) | PDB12                             | HW               | N/A  | N/A  | N/A  | N/A  | N/A     | 3.01                 | 3.01                 |
|                   |  |                                   | FW               | N/A  | N/A  | N/A  | N/A  | N/A     | 5.00                 | 5.00                 |
|                   | Pertronic FireMap®                                       | FireMap                           |                  | N/A  | 3.00 | 3.00 | 3.00 | 5.00    | 6.00                 | 7.00                 |
|                   | FireMap Ethernet Gateway (see note 3)                    | FMEGATE                           | HW               | N/A  | 1.10 | 1.10 | 1.10 | 1.10    | 1.10                 | 1.10                 |
| FW                |  |                                   | N/A              | 4.00 | 4.00 | 4.00 | 4.00 | 4.00.02 | 4.00.02              |                      |

### Notes

1. F120 Loop Driver II modules with hardware versions 1.16 to 2.01 are compatible with F220 Masterboards with firmware versions 1.00 to 7.00.
2. All Pertronic RS-485 ancillary peripherals (including the 12-way LED Displays, F100PDB12 and PDB12) are compatible with the low-speed RS-485 bus on all F220 versions.
3. The Pertronic FireMap Ethernet Gateway (FMEGATE) (on the low-speed RS-485 bus only) can co-exist with the NET2CARD (on high speed RS485 bus), on an F220 running v3.00 or later code.

F220 fire panels prior to v6.00 were available only in Australia.

## Net2 Network Card

The following table lists the minimum firmware and hardware versions required for compatibility with each version of the Net2 Network Card firmware.

|                   |  |            | Net2 Network Card (Net2Card) HW v2.06 |      |      |      |      |                      |                      |                      |
|-------------------|--|------------|---------------------------------------|------|------|------|------|----------------------|----------------------|----------------------|
|                   |  |            | FW                                    | 2.00 | 3.00 | 4.00 | 5.04 | 6.00                 | 7.00                 |                      |
| Pertronic Product | F220 Masterboard                                 |            | HW                                    | 3.95 | 3.95 | 3.95 | 3.95 | AU: 3.95<br>NZ: 3.97 | AU: 3.95<br>NZ: 3.97 |                      |
|                   |  |            | FW                                    | 2.00 | 3.00 | 4.00 | 5.04 | 6.00                 | 7.00                 |                      |
|                   | Fibre Converter for NET2CARD                     | FIBNET-xxx | HW                                    | 1.1  | 1.1  | 1.1  | 1.1  | 1.1                  | 1.1                  |                      |
|                   | Net2 Network Control Unit                        |            | NET2NCUx                              | HW   | 1.01 | 1.01 | 1.01 | 1.01                 | AU: 1.01<br>NZ: 1.11 | AU: 1.01<br>NZ: 1.11 |
|                   |  |            |                                       | FW   | 2.00 | 3.00 | 4.00 | 5.04                 | 6.00                 | 7.00                 |
|                   | Net2 Enhanced Mini-Mimic & Net2 Alarm Mini-Mimic |            | NET2-EMMx & NET2-AMMx                 | HW   | 1.00 | 1.00 | 1.00 | 1.00                 | 1.00                 | 1.00                 |
|                   |  |            |                                       | FW   | 2.00 | 3.00 | 4.00 | 5.04                 | 6.00                 | 7.00                 |
|                   | Pertronic FireMap®                               |            | FireMap                               |      | N/A  | N/A  | 4.00 | 5.00                 | 6.00                 | 7.00                 |
|                   | FireMap Ethernet Gateway (see notes 5 and 6)     |            | FMEGATE                               | HW   | N/A  | 1.10 | 1.10 | 1.10                 | 1.10                 | 1.10                 |
|                   |  |            |                                       | FW   | N/A  | 4.00 | 4.00 | 4.00                 | 4.00.02              | 4.00.02              |

### Notes

- The Pertronic FireMap Ethernet Gateway (FMEGATE) (on the low-speed RS-485 bus only) can co-exist with the Net2Card (on high speed RS485 bus), on an F220 running v3.00 or later code.
- The Pertronic FireMap Ethernet Gateway (FMEGATE) is not required for Net2 Network systems with NET2CARD version 5.04 or later firmware. When FireMap is used on v5.04 or later Net2 Networks, we recommend that the network is fitted with one or more Net2 Network Cards configured as FireMap interfaces. Please refer to the "Net2 Network" and "High Capacity Net2 Network Card" datasheets for more information.
- All versions of the Net2 Network Card firmware run on NET2CARDS with hardware version 2.06.

**Net2 Network systems prior to v6.00 were available only in Australia.**

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

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