

# Master Station Specification Sheet

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## MASTER STATION A

## MASTER STATION B



### Order Code

### Backplane

|   |              |
|---|--------------|
| 1 | 19" or Panel |
| N | Not Required |

### PSU

|   |                |
|---|----------------|
| 2 | 24 Vdc         |
| 1 | Standard (Vac) |
| N | Not Required   |

### No of Field Units

|   |                                                               |
|---|---------------------------------------------------------------|
|   | 300 (only possible if P3 Wireless + P2 current loop selected) |
| 5 |                                                               |
| 4 | 240                                                           |
| 3 | 180                                                           |
| 2 | 120                                                           |
| 1 | 60                                                            |
| N | Not Required                                                  |

### Option 1

|   |                                                            |
|---|------------------------------------------------------------|
|   | Single channel Long Term Datalogger (alternate location 1) |
| 4 |                                                            |
| 3 | Future Use                                                 |
| 2 | Future Use                                                 |
| 1 | P3 Wireless                                                |
| 0 | Blank Box                                                  |
| N | Not Required                                               |

### Option 2

|   |                                                            |
|---|------------------------------------------------------------|
|   | Single channel Long Term Datalogger (alternate location 2) |
| 4 |                                                            |
| 3 | P2 Current loop                                            |
| 2 | Future Use                                                 |
| 1 | Future Use                                                 |
| 0 | Blank Box                                                  |
| N | Not Required                                               |

### Switch Module

|   |                                                       |
|---|-------------------------------------------------------|
| 4 | Future Use                                            |
| 3 | Single channel Long Term Datalogger                   |
| 2 | H/S Key switch + Long Term Datalogger                 |
| 1 | Key Switch (replaced by LTD build - 2- since Q2 2011) |
| 0 | Blank Box                                             |
| N | Not Required                                          |

### Option 2

|   |                                                            |
|---|------------------------------------------------------------|
|   | Single channel Long Term Datalogger (alternate location 2) |
| 4 |                                                            |
| 3 | P2 Current loop                                            |
| 2 | Future Use                                                 |
| 1 | Future Use                                                 |
| 0 | Blank Box                                                  |
| N | Not Required                                               |

### PSU

|   |                |
|---|----------------|
| 2 | 24 Vdc         |
| 1 | Standard (Vac) |
| N | Not Required   |

### No of Field Units

|   |                                                                                                |
|---|------------------------------------------------------------------------------------------------|
|   | 300 (only possible if P3 Wireless + P2 current loop selected)                                  |
| 5 |                                                                                                |
| 4 | 240                                                                                            |
| 3 | 180                                                                                            |
| 2 | 120                                                                                            |
| 1 | 60                                                                                             |
| 0 | Set to 0 for single channel <b>ONLY</b> – indicates requirement for DIN rail etc. to shopfloor |
| N | Not Required                                                                                   |

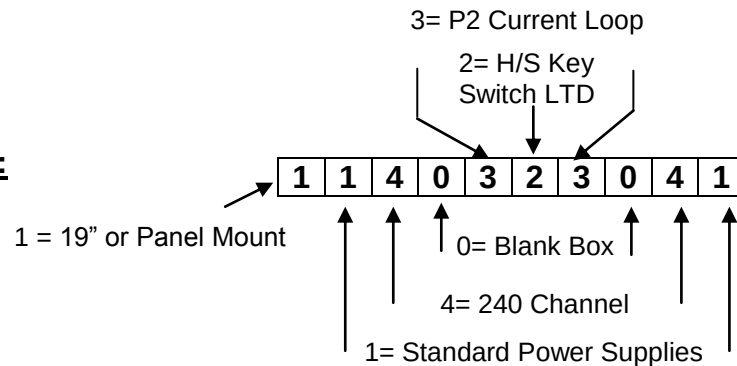
### Option 1

|   |                                                            |
|---|------------------------------------------------------------|
|   | Single channel Long Term Datalogger (alternate location 1) |
| 4 |                                                            |
| 3 | Future Use                                                 |
| 2 | Future Use                                                 |
| 1 | P3 Wireless                                                |
| 0 | Blank Box                                                  |
| N | Not Required                                               |

## Master Station Specification Sheet – Help Sheet

Please note: This specification sheet is designed to enable both complete master stations and spare parts for master stations to be configured / ordered.

### Example:



LTD – Long Term Datalogger

- Backplane:** Specifying 'Not required' (=N) for the backplane, means no backplane will be supplied. Any other items will be supplied loose, i.e. as spares. Specifying 'Yes' (=1) means the backplane will be supplied with both 19" Rack and Panel Mount fixtures.
- Power Supply:** The standard power supply is 87 to 265 Vac.
- Master Station:** Master Station comes preset for the maximum number of field units that may be connected. The option code specifies this size. If a single master station is configured the RHS module slots will be covered by a blanking plate and DIN rail
- Switch Module:** The Long Term Datalogger (LTD) is now the standard option for all Master Station configurations. For a Hot Standby Master Station specify this as 2, to include the LTD and the switch. For single master stations specify this as 3 to include only the LTD. For dual master stations place the LTD in the free option slot.
- Host Ports:** The Host Ports available as standard are 2 x RJ45 (10Base-T 100Base-Tx) Ethernet, (plus an additional Ethernet configuration port) and 2 x 9 way D- type serial ports which are switch selectable between RS485 or RS232.



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## Master Station Specification Sheet – Help Sheet

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### IMPORTANT WIRELESS NOTE:

The code above selects the wireless master station mounted module (PS721), but not the wall mounted module that is also required. Therefore, please ensure that when a wireless option is selected for the master station, for each PS721 (master station mounted module) a PS722 module (the wall mounted wireless co-ordinator) is also configured as they are not automatically selected by the chosen code.

For example:

A single channel wireless master station will have 1 PS721 and therefore 1 PS722.

A hot standby wireless master station will have 2 PS721 and therefore 2 PS722.

## Master Station Specification Sheet – Help Sheet

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### SPARES ORDERING INFORMATION

When ordering spares please use the module numbers referenced in the table:

|                                                                                        |       |
|----------------------------------------------------------------------------------------|-------|
| Backplane (panel mount)                                                                | PS700 |
| CPU (standard PSU) ①                                                                   | PS710 |
| CPU (dc PSU) ①                                                                         | PS711 |
| P2 Loop Driver                                                                         | PS720 |
| Key Switch (No Long Term Datalogger)                                                   | PS730 |
| H/S Key Switch + Long Term Datalogger ②                                                | PS731 |
| Single Long Term Datalogger ②                                                          | PS732 |
| Wireless Master Station Option Module<br>(mounted to master station in an option slot) | PS721 |
| Master Wireless Module<br>(wall mounted wireless co-ordinator)                         | PS722 |

① Specify number of channels (Field Units)

② Due to compatibility issues, where an LTD is requested to be added to an existing P3 master station that did not have one fitted previously, the part number of the current loop module (s) PS720 must be checked. If the part number is 48465-03 or older then, along with the LTD, the spares kit must include one (or two for hot standby) replacement current loop modules.



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Published data may be subject to change

**NOTE: Document formerly S701**

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| <i>Single channel</i>     |                                              |
|---------------------------|----------------------------------------------|
| Code                      | Description                                  |
| <b>WIRED ONLY</b>         |                                              |
| 111033NN0N                | 240AC, 60 field units, P2 loop               |
| 112033NN0N                | 240AC, 120 field units, P2 loop              |
| 113033NN0N                | 240AC, 180 field units, P2 loop              |
| 114033NN0N                | 240AC, 240 field units, P2 loop              |
| 121033NN0N                | 24DC, 60 field units, P2 loop                |
| 122033NN0N                | 24DC, 120 field units, P2 loop               |
| 123033NN0N                | 24DC, 180 field units, P2 loop               |
| 124033NN0N                | 24DC, 240 field units, P2 loop               |
| <b>WIRELESS ONLY</b>      |                                              |
| 111103NN0N                | 240AC, 60 field units, Wireless              |
| 121103NN0N                | 24DC, 60 field units, Wireless               |
| <b>WIRED AND WIRELESS</b> |                                              |
| 112133NN0N                | 240AC, 120 field units, P2 loop and Wireless |
| 113133NN0N                | 240AC, 180 field units, P2 loop and Wireless |
| 114133NN0N                | 240AC, 240 field units, P2 loop and Wireless |
| 115133NN0N                | 240AC, 300 field units, P2 loop and Wireless |
| 122133NN0N                | 24DC, 120 field units, P2 loop and Wireless  |
| 123133NN0N                | 24DC, 180 field units, P2 loop and Wireless  |
| 124133NN0N                | 24DC, 240 field units, P2 loop and Wireless  |
| 125133NN0N                | 24DC, 300 field units, P2 loop and Wireless  |

**Note:** The wireless master station modules can communicate to up to 60 wireless devices. For applications that require more that 60 wireless field units contact the systems department.

| <b>Hot standby</b>        |                                              |
|---------------------------|----------------------------------------------|
| <b>Code</b>               | <b>Description</b>                           |
| <b>WIRED ONLY</b>         |                                              |
| 1110323011                | 240AC, 60 field units, P2 loop               |
| 1120323021                | 240AC, 120 field units, P2 loop              |
| 1130323031                | 240AC, 180 field units, P2 loop              |
| 1140323041                | 240AC, 240 field units, P2 loop              |
| 1210323012                | 24DC, 60 field units, P2 loop                |
| 1220323022                | 24DC, 120 field units, P2 loop               |
| 1230323032                | 24DC, 180 field units, P2 loop               |
| 1240323042                | 24DC, 240 field units, P2 loop               |
| <b>WIRELESS ONLY</b>      |                                              |
| 1111020111                | 240AC, 60 field units, Wireless              |
| 1211020112                | 24DC, 60 field units, Wireless               |
| <b>WIRED AND WIRELESS</b> |                                              |
| 1121323121                | 240AC, 120 field units, P2 loop and Wireless |
| 1131323131                | 240AC, 180 field units, P2 loop and Wireless |
| 1141323141                | 240AC, 240 field units, P2 loop and Wireless |
| 1151323151                | 240AC, 300 field units, P2 loop and Wireless |
| 1221323122                | 24DC, 120 field units, P2 loop and Wireless  |
| 1231323132                | 24DC, 180 field units, P2 loop and Wireless  |
| 1241323142                | 24DC, 240 field units, P2 loop and Wireless  |
| 1251323152                | 24DC, 300 field units, P2 loop and Wireless  |

**Note: The wireless master station modules can communicate to up to 60 wireless devices. For applications that require more that 60 wireless field units contact the systems department.**

| <b>Dual master station arrangement (this is not a common option)</b> |                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Code</b>                                                          | <b>Description</b>                                           |
| <b>WIRED ONLY</b>                                                    |                                                              |
| 1114303411                                                           | 240AC, 60 field units, P2 loop                               |
| 1124303421                                                           | 240AC, 120 field units, P2 loop                              |
| 1134303431                                                           | 240AC, 180 field units, P2 loop                              |
| 1144303441                                                           | 240AC, 240 field units, P2 loop                              |
| 1214303412                                                           | 24DC, 60 field units, P2 loop                                |
| 1224303422                                                           | 24DC, 120 field units, P2 loop                               |
| 1234303432                                                           | 24DC, 180 field units, P2 loop                               |
| 1244303442                                                           | 24DC, 240 field units, P2 loop                               |
| <b>WIRELESS ONLY</b>                                                 |                                                              |
| 1111404111                                                           | 240AC, 60 field units, Wireless                              |
| 1211404112                                                           | 24DC, 60 field units, Wireless                               |
| <b>WIRED AND WIRELESS</b>                                            | <b>NB: in this build there is no LTD as there is no room</b> |
| 1121303121                                                           | 240AC, 120 field units, P2 loop and Wireless                 |
| 1131303131                                                           | 240AC, 180 field units, P2 loop and Wireless                 |
| 1141303141                                                           | 240AC, 240 field units, P2 loop and Wireless                 |
| 1151303151                                                           | 240AC, 300 field units, P2 loop and Wireless                 |
| 1221303122                                                           | 24DC, 120 field units, P2 loop and Wireless                  |
| 1231303132                                                           | 24DC, 180 field units, P2 loop and Wireless                  |
| 1241303142                                                           | 24DC, 240 field units, P2 loop and Wireless                  |
| 1251303152                                                           | 24DC, 300 field units, P2 loop and Wireless                  |

**Note: The wireless master station modules can communicate to up to 60 wireless devices. For applications that require more that 60 wireless field units contact the systems department.**