Hatchcom III (Version 1.55) Computer Specifications
PT-100 and PS-501 Controls

CUSTOMER SUPPLIED

Hatchcom Computer Requirements (New Installations or PTA657 USB Upgrade pack):

- Pentium 4 1GHz or higher computer
- Windows XP, 7 or 8 Professional or Windows Vista Business (32 or 64 bit)
- 2 GB RAM minimum
- 100 GB hard drive minimum
- CD-ROM drive
- 3 USB ports
- Optional networking system (modem, LAN, WAN, etc.) to connect to remote computer

Hatchcom Computer Requirements (Hatchcom III Upgrade using PTA658 pack):

- Pentium 4 1GHz or higher computer
- Windows XP, 7 or 8 Professional or Windows Vista Business (32 or 64 bit)
- 2 GB RAM minimum
- 100 GB hard drive minimum
- CD-ROM drive
- 2 USB ports
- IEEE-1284 Parallel printer port (USB converter not acceptable)
- Optional networking system (modem, LAN, WAN, etc.) to connect to remote computer

Optional Remote Computer Requirements:

- Pentium 4 1GHz or higher
- Windows XP, Vista, 7 or 8
- 1 GB RAM minimum
- Networking system (modem, LAN, WAN, etc.) to connect to Hatchcom computer

Optional Equipment:

- Windows supported printer
- Database backup device (DVD or other medium)

Note:

- These are minimum requirements for Hatchcom III. If other programs are running on the computer, these specifications may require adjustment.
- When upgrading from an older version of Hatchcom III a built-in IEEE-1284 Parallel printer port is required for the black Hardlock security key.

HATCHCOM SPECIFICATIONS
FOR FIBRE OPTIC CABLE CONNECTIONS ON PT100 OR PS501

Installations which use fibre optics to connect the PT100s to Hatchcom are connected in a star format.

Material to be supplied by customer

All conduit requirements are to be supplied by the customer. Conduit sizes of ½" and ¾" will normally be required.

Material supplied by Jamesway

A connection layout will be supplied by Jamesway. This layout will be determined from a Hatchery plan furnished by customer.

Fibre optic cable will be supplied by Jamesway. The amount of cable required will be determined from the connection layout.

Installation By Customer

Mount fibre optic hubs as layout plan.

A ½" conduit connection from each PT100 control box to the associated fibre optic hub is required. A conduit connection between hubs must also be installed. The best conduit layout must be determined from the fibre optic layout plan.

A ½" conduit must also be installed from the Hatchcom computer to the nearest fibre optic hub.

Pull a fibre optic cable from each PT100 control box to the associated fibre optic hub. Leave 2 feet (61 cm) of cable at each PT100 control box and 1 foot (31 cm) at the fibre optic hub for ease of connection.

Pull a fibre optic cable from the Hatchcom computer to the fibre optic hub. Leave ample fibre optic cable at computer for ease of connection.

Notes

Maximum tensile force on cable is 22 pounds (100 N).
Minimum bend radius for fibre optic cable is 1.38" (35 mm).
Consult Jamesway if connection changes are required.

Please direct any questions to Customer Service at 1-519-624-4646.

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HATCHCOM SPECIFICATIONS FOR WIRE CONNECTIONS ON PT100 OR PS501

Installations which use wire to connect the PT100s to Hatchcom are connected in a daisy chain format.

Material to be supplied by customer

If only Hatchcom cable is to be installed, use ½" PVC or aluminium conduit to serially connect all machines.

If Hatchcom cable and alarm cable are to be installed in the same conduit, then use ¾" PVC or aluminium cable to serially connect all machines.

Material supplied by Jamesway

Wire requirement will be determined and supplied by Jamesway from a layout furnished by the Hatchery.

Installation By Customer

Starting from the Hatchcom computer, bring a single conduit into the first PT100 control box. Terminate conduit at the entrance for the information panel umbilical cable. Place a "T" in the conduit outside of the control box. From the "T", run conduit to the next machine. Repeat until all machines are connected with conduit.

At the computer leave ample cable for ease of connection. Run cable to fist machine leaving a minimum of 2 ½ feet (62.2 cm) of cable inside of control box.

From first machine, run a cable to second machine again leaving 2 feet (61 cm) of cable at each end for connections.

Repeat procedure until all machines are daisy chained together.

Notes:

No splices are to be made in cabling except for the connections inside of the PT100 control box.
Only low voltage lines may occupy the conduit used for Hatchcom cabling.
Consult Jamesway if changes are required in the wiring.

Please direct any questions to Customer Service at 1-519-624-4646.

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