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|-----------------------------------------------------------------------------------|-----------------------|------------------|-------|----------|-------------------|----|
|  | Doc or ECO #:         | ECO-JHC-ASSM-003 | Date: | 11/05/18 | Author:           | SL |
|                                                                                   | Rev. #:               | A                |       |          |                   |    |
| Engineering Change Order (ECO)                                                    | Engineering Approval: | aeg              | Date: | 12/13/18 | Quality Approval: | DO |

|               |                                         |                        |                   |
|---------------|-----------------------------------------|------------------------|-------------------|
| <b>P/N #:</b> | JHC-ASSM                                | <b>Effective Date:</b> | December 13, 2018 |
| <b>Title:</b> | Industrial hand controller obsolescence |                        |                   |

## 1.0 Purpose / Summary:

The Industrial Hand Controller is being replaced with the IP65 Hand Controller. A bare version of the IP65 Hand Controller has been created so that any other variant of the controller can be created from it. Different Hand Controller Overlays have been created to suit the needs of different platforms (Pro4/MSS).

## 2.0 Parts Affected:

| Part Number | Notes                                         | Removed                             | Added                               | New                      | Modified                            |
|-------------|-----------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| JHC-ASSM    | Industrial Hand Controller                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            |
| 50103       | P4 Standard BASE Configuration (NTSC Video)   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50104       | P4 Standard BASE Configuration (PAL Video)    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50105       | P4 Plus BASE Configuration (NTSC Video)       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50106       | P4 Plus BASE Configuration (PAL Video)        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50109       | P4 Rack-Mount BASE Configuration (NTSC Video) | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50110       | P4 Rack-Mount BASE Configuration (PAL Video)  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 71036       | MSS Defender No Payload SYSTEM                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 71600       | Pro5 No Payload System                        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 71652       | Sealed Hand Controller -Bare                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 71653       | Sealed Hand Controller – Pro 4                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 71654       | Sealed Hand Controller – Pro 5                | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 71655       | Sealed Hand Controller - Defender             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 71656       | Hand Controller Sticker Overlay – Pro5        | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 71657       | Hand Controller Sticker Overlay - Defender    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

|                                                                                   |                       |                  |       |          |                   |    |
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| <b>Engineering Change Order (ECO)</b>                                             | Engineering Approval: | aeg              | Date: | 12/13/18 | Quality Approval: | DO |

### 3.0 Detail:

- Multiple variations of the hand controller have been created to suit the needs of different platforms.
- New Pro4 systems as listed below will now use 71653 Sealed Hand Controller – Pro4 which is a combination of 71652 (Sealed Hand Controller – Bare) and 52329 (Sticker Sheet for Logitech Wireless and IP65 Hand Controllers)
  - 50103 - P4 Standard BASE Configuration (NTSC Video)
  - 50104 - P4 Standard BASE Configuration (PAL Video)
  - 50105 - P4 Plus BASE Configuration (NTSC Video)
  - 50106 - P4 Plus BASE Configuration (PAL Video)
  - 50109 - P4 Rack-Mount BASE Configuration (NTSC Video)
  - 50110 - P4 Rack-Mount BASE Configuration (PAL Video)
- New Pro5 systems as listed below will now use 71654 Sealed Hand Controller – Pro5 which is a combination of 71652 (Sealed Hand Controller – Bare) and (71656 Hand Controller Overlay – Pro5)
  - 71600 – Pro5 No Payload System
- New Defender systems as listed below will now use 71655 Sealed Hand Controller – Defender which is a combination of 71652 (Sealed Hand Controller – Bare) and 71657 (Hand Controller Overlay – Defender)
  - 71036 – MSS Defender No Payload System
- All IP65 systems will continue to use their current Hand Controller 52192 (IP65 Hand Controller) and require no changes.
  - 70239 – IP65 Rated Pro4 Panel
- Industrial Hand Controllers (JHC-ASSM) that are used and functioning/refurbishable are still permitted to be used on all refurbished systems as well as loaner and rental systems.

### 4.0 Disposition of Material:

- Use up all current new inventory of JHC-ASSM (Industrial Hand Controllers) with Pro4 Systems. (Applicable part numbers listed in section 3)

|                                                                                   |                       |                  |       |          |                   |    |
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## 5.0 Action Items:

| Action | Department | Acknowledgement Initials |
|--------|------------|--------------------------|
|        |            |                          |
|        |            |                          |

## 6.0 Modified / Referenced Documents:

| Document                                  | Current Revision                          |
|-------------------------------------------|-------------------------------------------|
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## 7.0 Revision History

| Date Revised (mm-dd-yyyy) | Location of Change (section, paragraph no., step no., etc.) | Description of Change Made | Name of Person making the Change |
|---------------------------|-------------------------------------------------------------|----------------------------|----------------------------------|
| 12/13/2018                | Initial Release                                             | Initial Release            | SL                               |
|                           |                                                             |                            |                                  |
|                           |                                                             |                            |                                  |