

CPS Troubleshooting

⚠ WARNING
IMPROPER INSTALLATION

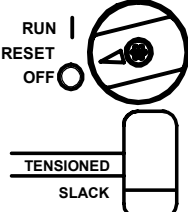
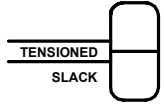
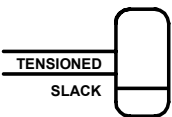
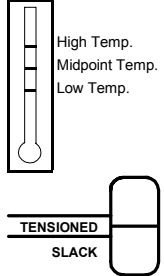
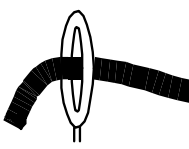
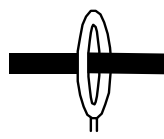
- Consult with local safety agencies and their requirements when designing a machine control link, interface and all control elements that affect safety.
- Strictly adhere to all installation instructions.

Failure to comply with these instructions could result in death or serious injury.


GENERAL INFORMATION

Table 1 gives troubleshooting information for the 1CPS and 2CPS Cable Pull Switches (CPS).

TABLE 1

| Symptom/Indication | | Cause | Remedy |
|--------------------|--|--|---|
| 1. | <ul style="list-style-type: none"> CPS reset knob will not rotate from OFF to RUN position. Cable tension indicator is not in center of tension window.  | Cable is not properly tensioned. | Properly tension the cable according to product installation instructions. (See also symptoms 3 and 4.)  |
| 2. | <ul style="list-style-type: none"> CPS trips when ambient temperature increases or decreases in the installed area. Cable tension indicator not in center of tension window.  | Cable is not properly tensioned due to thermal expansion/contraction. (It may have been installed when ambient temperature was not in the midpoint of the local temperature range.) | If the system was installed at an extreme temperature, the tensioning should be fine-tuned when the temperature is at the midpoint.  |
| 3. | CPS does not trip when cable is pulled.  | Cable is pinched somewhere along its span. | <ul style="list-style-type: none"> Ensure cable is installed correctly over span. Check for and remove any obstructions to the cable.  |
| 4. | Cable will not retract once pulled. | <ul style="list-style-type: none"> Cable has too much resistance due to bends in the run. Cable is pinched somewhere along its span. CPS shaft is bent due to side-loading. | <ul style="list-style-type: none"> Straighten cable run as much as possible and use pulleys around curves. Replace product if cable still will not retract. Replace product if the shaft is bent. |

CPS Troubleshooting

| | Symptom/Indication | Cause | Remedy |
|----|---|--|--|
| 5. | Control unit senses CPS is tripped but CPS is in the RUN condition. <div style="text-align: center; margin-top: 10px;">  </div> | Wiring connection to CPS has been severed or CPS is mis-wired. | <ul style="list-style-type: none"> • Examine and correct wiring and/or customer system requirements |

WARRANTY/REMEDY

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While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

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