

Barksdale

CONTROL PRODUCTS

CRANE Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

INSTALLATION INSTRUCTIONS - CSK

INSTALLATION NOTES:

Please check the model designation of the pressure switch to ensure it is being used within its design range. The use of an incorrect switch may cause inadvertent operation or failure. Operating, maintenance, inspection and installation personnel must be qualified to carry out their respective duties. Refer to the table at the back for switch specifications and adjustment procedures.

ELECTRICAL CONNECTION:

The switch should be wired in accordance with the tables below.

Wire / Connector Termination

CONTACTS	FREE LEADS	1/4 SPADE TERMINALS	DEUTSCH (RECEPTACLE)
COMMON	BLACK	1	PIN 1
NORMALLY OPEN	BLACK	2	PIN 2
NORMALLY CLOSED	BLACK	2	PIN 2

OPERATING CHARACTERISTICS

PRESSURE MODEL	PRESSURE RANGE PSI (BAR)	PROOF PRESSURE PSI (BAR)
2	20 - 120 (1.4 - 8.3)	9000 (600)
3	90 - 250 (6.2 - 17.2)	9000 (600)
4	250 - 950 (17.2 - 65.5)	9000 (600)
5	700 - 1900 (48.3 - 131)	9000 (600)
6	1000 - 3000 (69 - 207)	9000 (600)

ELECTRICAL RATINGS

ELECTRICAL	RATINGS
1	8A @ 12VDC 4A @ 24VDC 2A @ 42VDC
2	33mA @ 12VDC 16mA @ 24VDC 13mA @ 30VDC GOLD CONTACT

SET POINT ADJUSTMENT:

The switch is factory set at approximately 50% of the maximum pressure range. In order to change the setting of the switch follow the instructions below.

Caution: The adjustment screw is electrically conductive to the contacts. Therefore, to prevent an electric shock, always use insulated tools and only monitor the circuit with a digital multimeter or low voltage (<12 VDC) LED light while adjusting the setpoints. Never contact any conductive object, wire, cable, connector pin, or terminal blade with a conductive portion of the adjusting tool while adjusting the switch.

Step 1: Insert a 1/8" allen key through the opening on the top center of the switch.

Step 2: Turn the allen key clockwise to increase the pressure setting and counter-clockwise to decrease.

Note: If your product contains flying leads, you will have to remove the two pan Phillip head screw on the top of the switch and remove the cap in order to access the adjustment screw.

Caution: Failure to replace the adjustment screw cap will expose the user to the electrically live adjustment screw