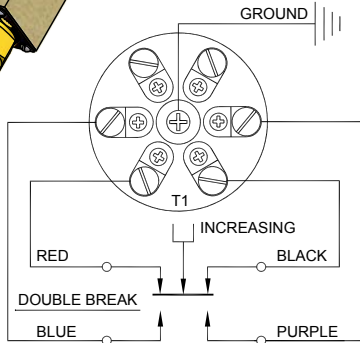
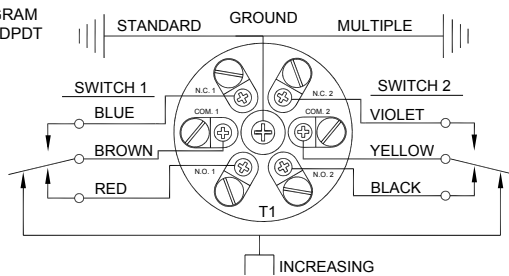


**SCHEMATICS:**

WIRING DIAGRAM FOR DOUBLE BREAK ELECTRICAL



WIRING DIAGRAM FOR SPDT & DPDT ELECTRICAL



CCS explosion-proof junction boxes are certified to provide explosion-proof terminals protection in hazardous locations and excellent resistance to environmental conditions.

The 141-18 & 141-19 features are: Copper-free, Aluminum Epoxy Coated Boxes with Blind Cover: Class I, Div I, Group B, C and D; Class II, III, Div. I Groups E, F and G, NEMA 4X, ATEX & IECEx - Exd IIC Ex tD.

The 141-20 box is 316 Stainless Steel, Electro Polished with Blind Cover: Class I, Div I, Group B, C and D; Class II, III, Div. I Groups E, F and G, NEMA 4X, ATEX & IECEx - Exd IIC Ex tD.

Note 1: Each box supplied with 316 Stainless Steel externally accessible stopping plug FM (USA & Canada) Explosion-Proof Certified Class I Div. I Groups A, B, and D, Class II Div. I Group E, F and G, ATEX II 2 G D, Ex de I & IIC IECEx, Ex de I & IIC, IP68.

**GENERAL:**

- Observe all cautions for installation and use of CCS pressure, temperature sensors contained on the CCS catalog declaration.
- Follow all applicable federal, state government or industry codes and regulations, pertaining to the use of this device.
- The wires or cable must shall terminated inside junction box according to the wiring diagram attached inside junction box cover.

**MOUNTING:**

- Junction Box assembly may be directly mounted onto any CCS switch electrical assembly consisted of 1/2-14 NPT electrical connection.

**WARNING: INSURE THAT BOTH PRESSURE AND ELECTRICAL CONNECTIONS FROM THE SOURCE ARE DEACTIVATED AND LOCKED OFF IN THE UNPRESSURIZED AND OPEN CIRCUIT CONDITION ON ALL ATTACHED CIRCUITS.**

- Apply sealant to reducer fitting (Pipe joint sealing compound is preferred over Teflon tape. However, either method of sealing is acceptable), Install the reducer fitting into the switch side of the junction box.
- Remove the cover from the junction box, insert wires through "T1" outlet side. Thread junction box outlet onto electrical connection of switch assembly so that at least four (4) threads are fully engaged. Align the cover of the junction box with the cover of the switch assembly.
- Junction box assembly shall be wrench tight or 12 ft. - lb. torque max.

**ELECTRICAL CONNECTIONS:**

- When making wire connections disconnect electrical power, remove cover and terminal block. Check for multiple circuits.
- Cut and strip wires according to wiring diagram code. Keep as much wire as possible for a service loop to facilitate service, properly crimp CCS 71-30 terminals onto ends of wires; crimp CCS 71-62 tongue terminal for the ground wire only.
- Make electrical connections per wiring diagram in accordance with the NEC and all other appropriate codes and regulations.

**FOR SERVICE OR ORDERING INFORMATION**

Please contact CCS or CCSI Sales departments or consult CCS authorized factory representatives.

**WARRANTY**

All CCS products and services are sold subject to: "CCS standard terms and conditions of sale".

**Custom Control Sensors, Inc**

21111 Plummer Street  
Chatsworth, CA 91311  
Tel: (818) 341-4610 • Fax: (818) 709-0426  
<http://www.ccsdualsnap.com>

**CCS International**

Unit 13, Shrivenham Hundred Business Park  
Watchfield, Nr. Swindon, United Kingdom SN6 8TZ  
Tel: (+441 793) 783-545 • Fax: (+441 793) 783-532  
<http://www.ccsdualsnap.co.uk>

**WARNING DECLARATION**

If this junction box is used to protect equipment or personnel from unsafe pressure or to guard against the hazardous release of contained substances it must be installed and operated in accordance with applicable codes, regulations and standards. This junction box must be used in conjunction with system design(s) or procedure(s) necessary to mitigate any hazard resulting from its failure. Conform to installation instructions accompanying this switch. Individuals who ignore this warning may suffer serious or fatal injury and do so at their own risk. Custom Control Sensors is not liable for any misuse, abuse, suitability or adequacy of user's application of the switch. Service by qualified personnel only.  
P/N 10-1183, REV. N/C 07/2010