

L_1

Bryter

E

Normallt pen kontakt



Lampe

L_2

L_1

Bryter

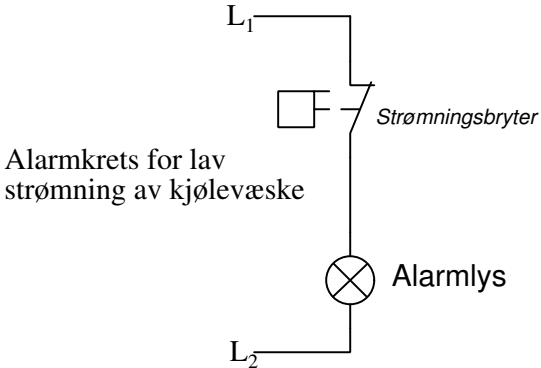


Normalt lukket kontakt

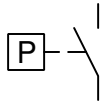


Lampe

L_2

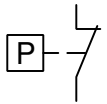


NO pressure switch



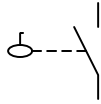
Open when there is zero pressure (minimum stimulus)
Closed when pressure increases beyond threshold

NC pressure switch



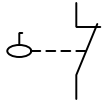
Closed when there is zero pressure (minimum stimulus)
Open when pressure increases beyond threshold

NO level switch



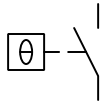
Open when there is zero level (minimum stimulus)
Closed when level increases beyond threshold

NC level switch



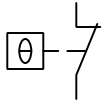
Closed when there is zero level (minimum stimulus)
Open when level increases beyond threshold

NO temperature switch



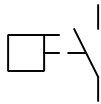
Open when temperature is cold (minimum stimulus)
Closed when temperature increases beyond threshold

NC temperature switch



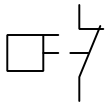
Closed when temperature is cold (minimum stimulus)
Open when temperature increases beyond threshold

NO flow switch



Open when there is zero flow (minimum stimulus)
Closed when flow increases beyond threshold

NC flow switch

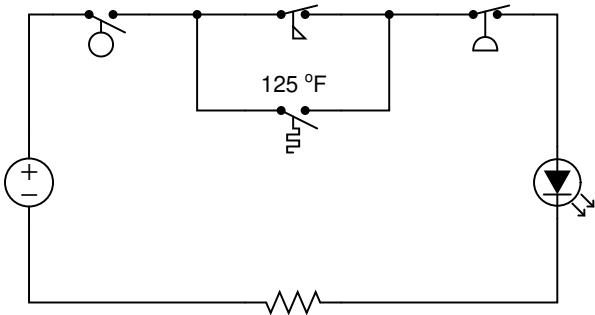


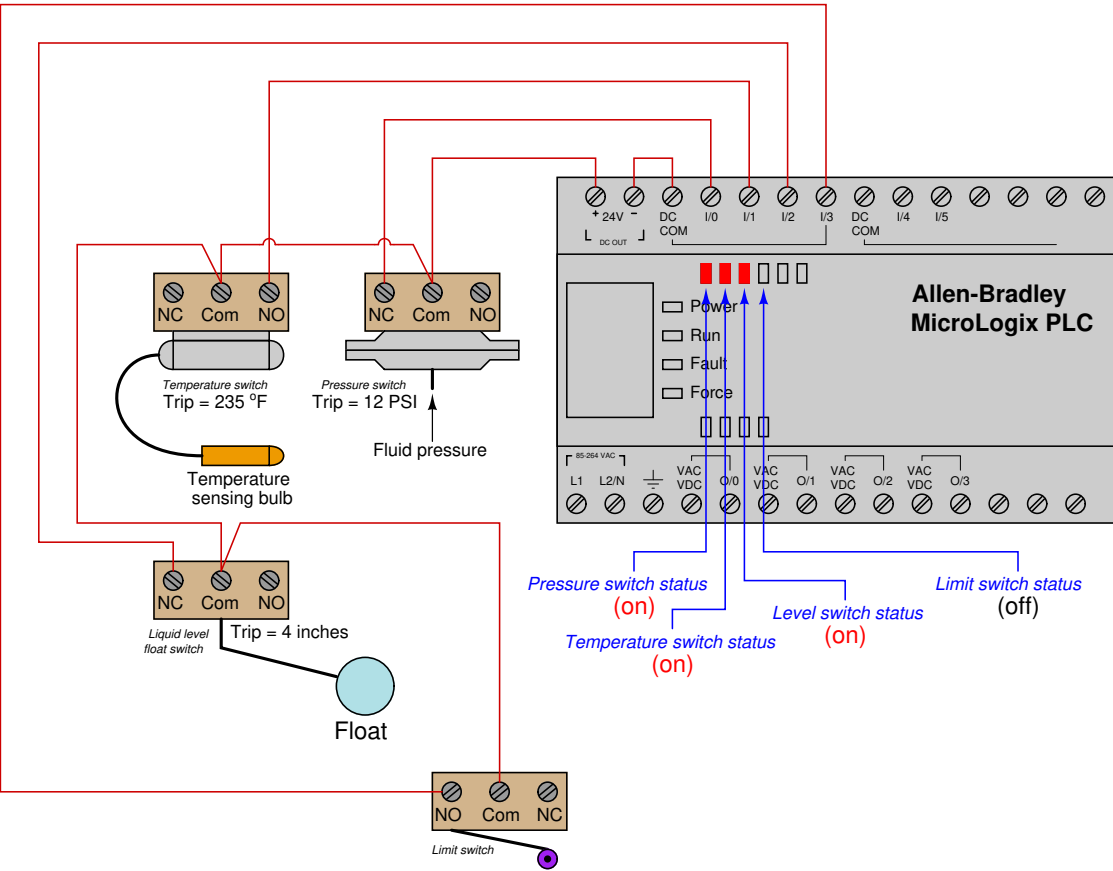
Closed when there is zero flow (minimum stimulus)
Open when flow increases beyond threshold

14 inches

3 GPM

22 PSI





Switch	Normal status	Present status	Trip value	Stimulus
Pressure	Normally-closed (NC)	Closed	12 PSI	$P < 12$ PSI
Temperature	Normally-open (NO)	Closed	235 °F	$T > 235$ °F
Level	Normally-closed (NC)	Closed	4 inches	$L < 4$ inches
Limit	Normally-open (NO)	Open	n/a	<i>no contact</i>

Button

Threaded neck

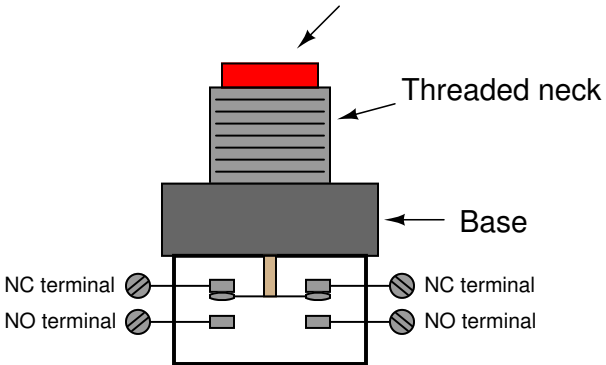
Base

NC terminal

NC terminal

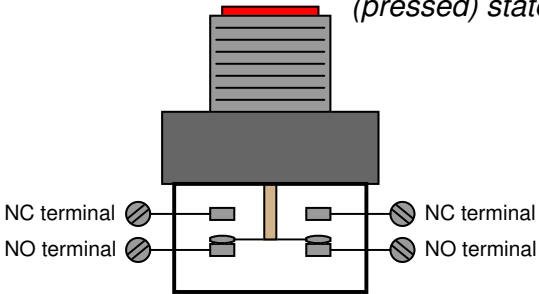
NO terminal

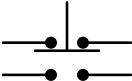
NO terminal

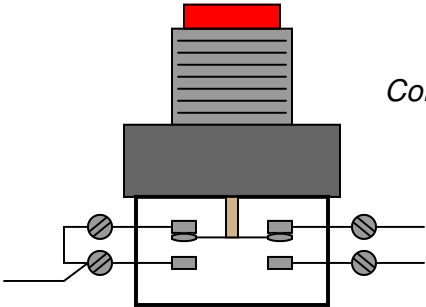




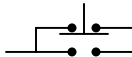
*Switch in the actuated
(pressed) state*

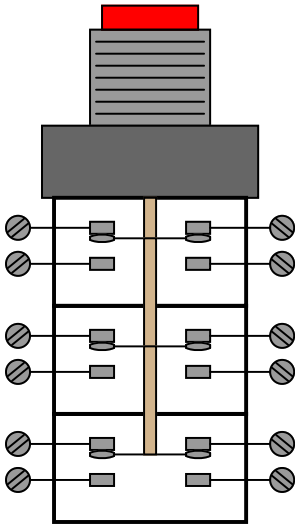






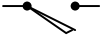
Connected as a form-C switch





Stackable switch
modules

Limit switch symbols



Normally-open
(NO)



Normally-closed
(NC)

Equivalent schematic



Lever

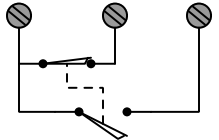
Roller tip

*Push lever up
to actuate*

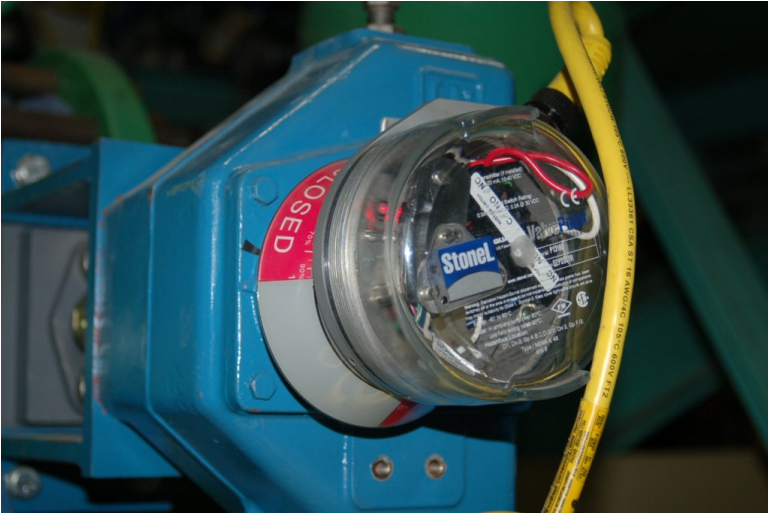
Com

NC

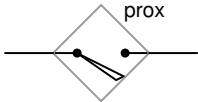
NO



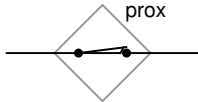




Proximity switch symbols



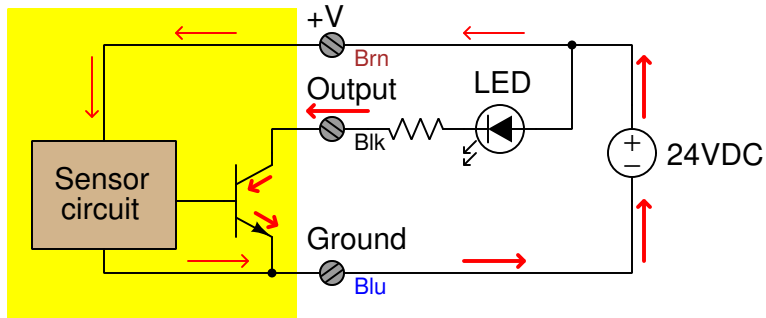
Normally-open
(NO)



Normally-closed
(NC)

"Sinking" output
proximity switch

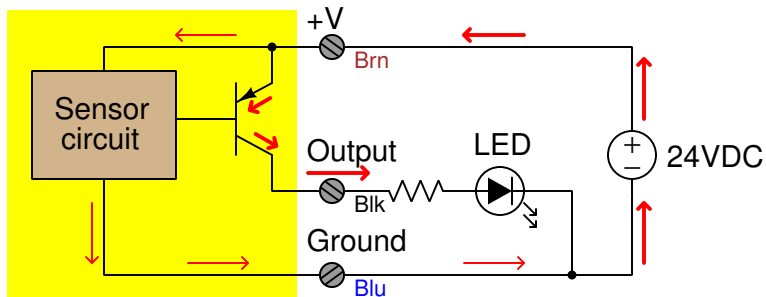
LED current "sinks" down to
ground through the switch



Switch is "sinking" or "NPN" type

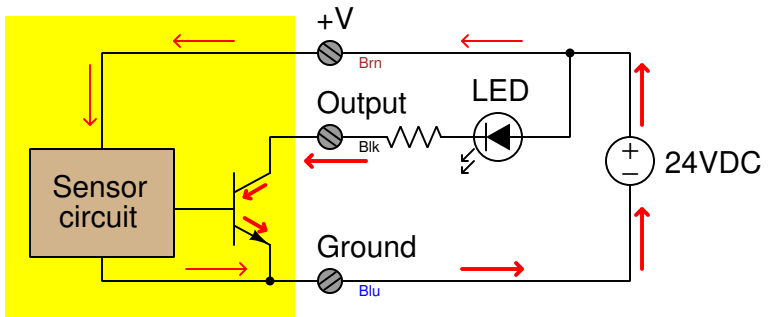
"Sourcing" output
proximity switch

Switch "sources" current
out to the LED

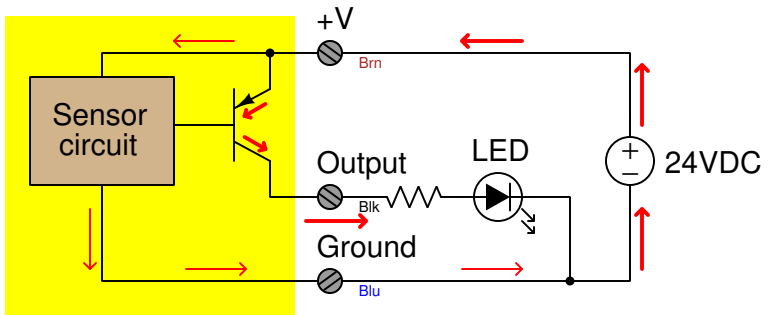


Switch is "sourcing" or "PNP" type





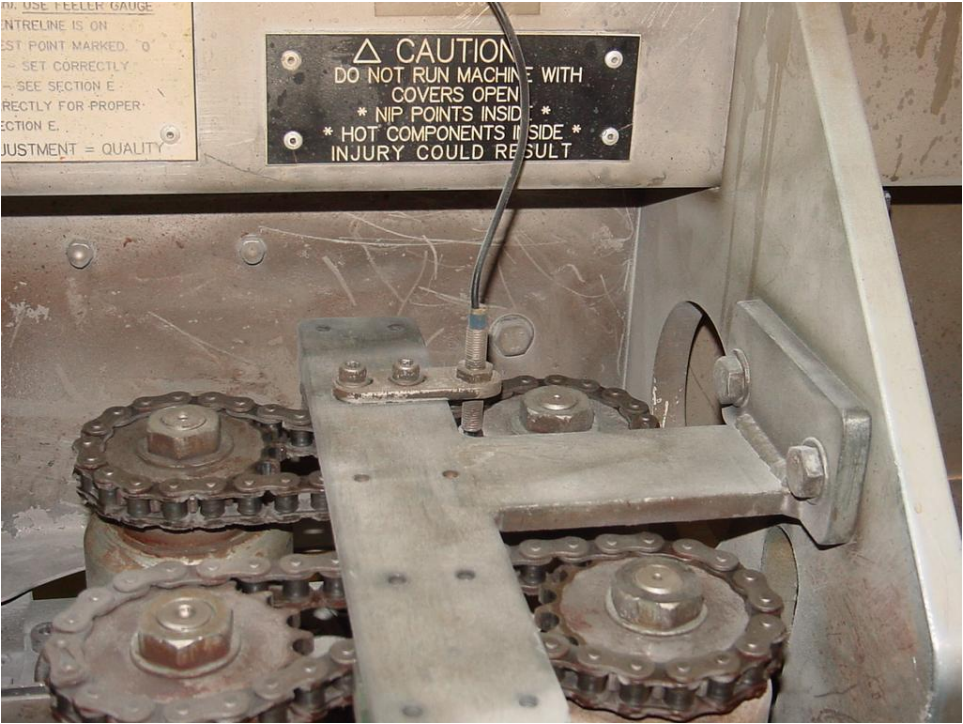
Sinking transistor = NPN = "low side" switch



Sourcing transistor = PNP = "high side" switch

USE FEELER GAUGE
CENTRELINE IS ON
TEST POINT MARKED "O"
- SET CORRECTLY
- SEE SECTION E
RECTLY FOR PROPER
SECTION E.
JUSTMENT = QUALITY

⚠ CAUTION
DO NOT RUN MACHINE WITH
COVERS OPEN
* NIP POINTS INSIDE *
* HOT COMPONENTS INSIDE *
INJURY COULD RESULT



Pressure switch symbols



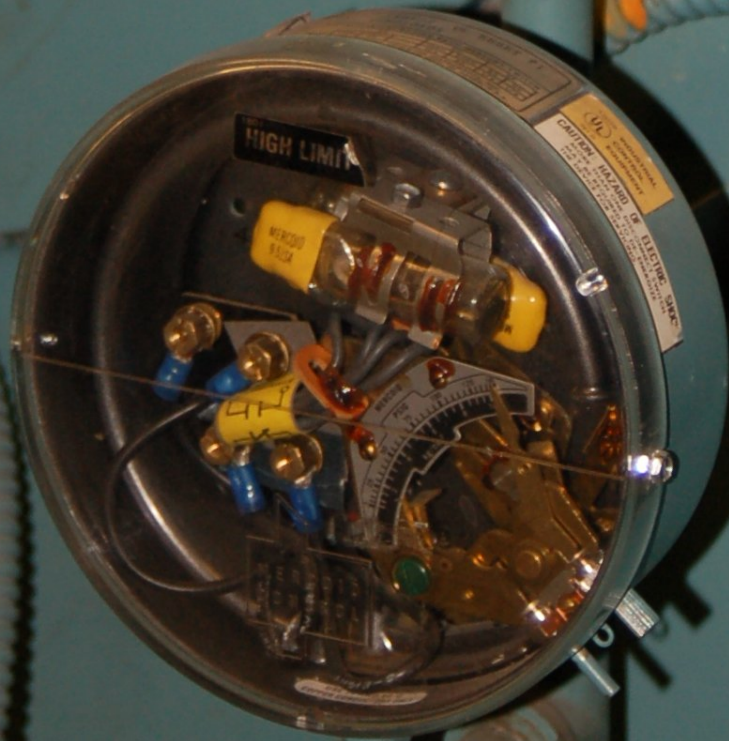
Normally-open
(NO)



Normally-closed
(NC)











TAG 721.2

Danfoss

9-4-04



Level switch symbols

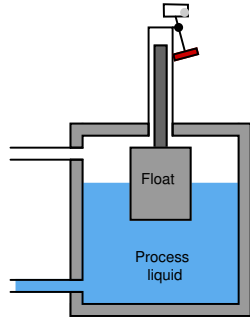
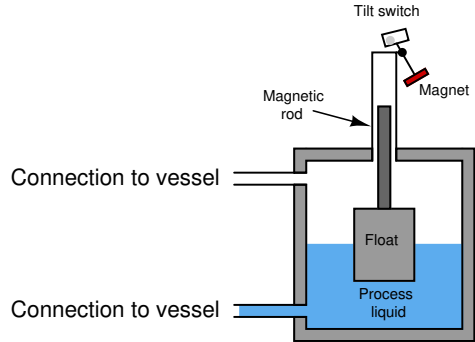


Normally-open
(NO)



Normally-closed
(NC)





Switch



Float



Process liquid

Switch



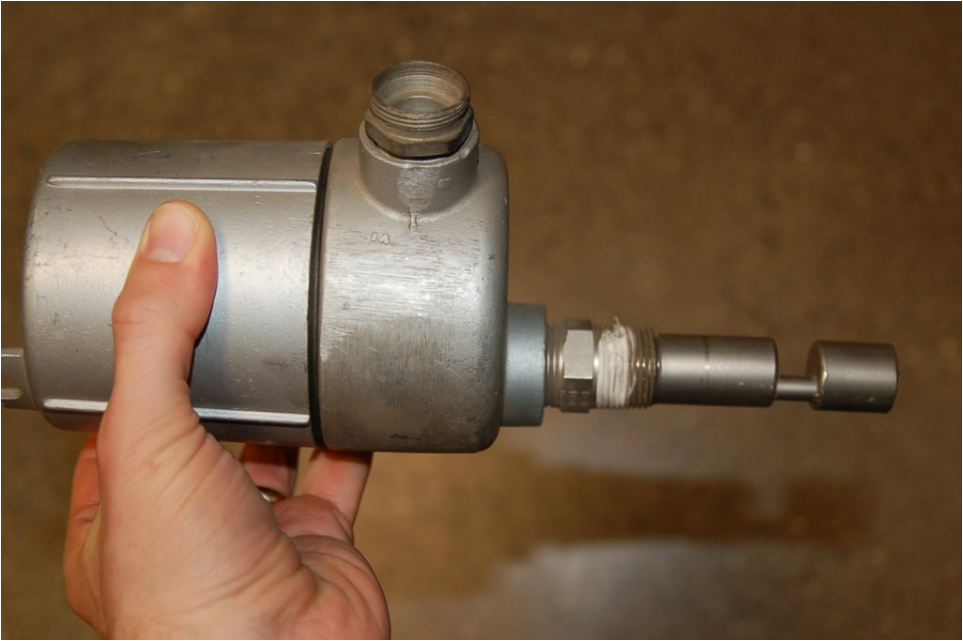
Float



Process liquid









To 120 VAC
power source

Primary coil

Core

Secondary coil

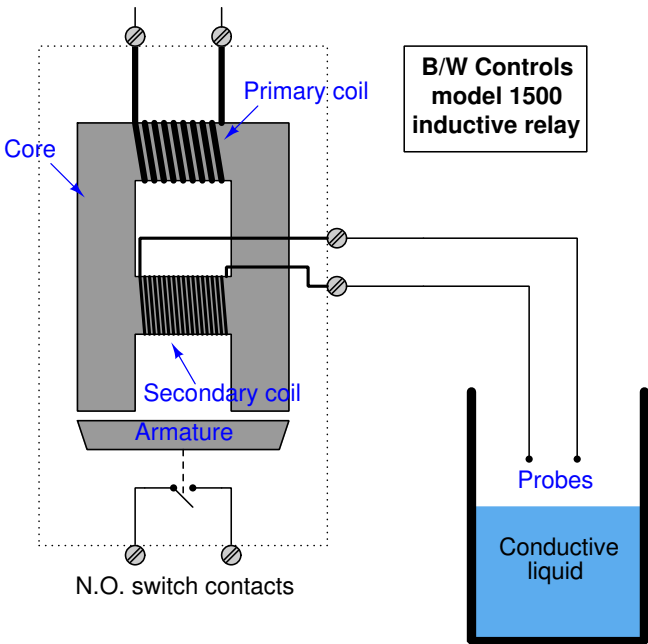
Armature

N.O. switch contacts

**B/W Controls
model 1500
inductive relay**

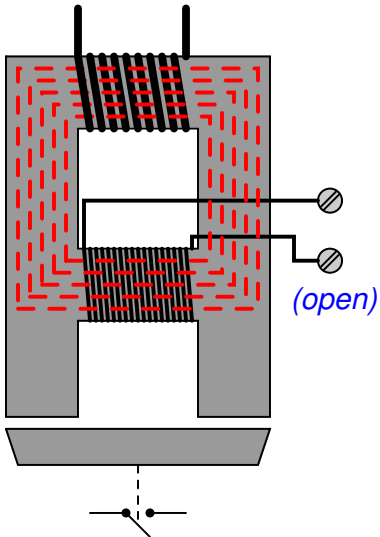
Probes

Conductive
liquid

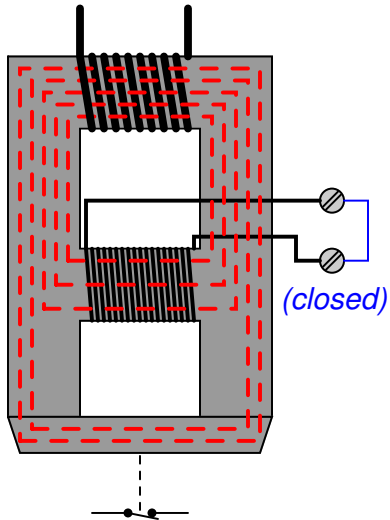




Negligible magnetic flux passes through armature



Opposition to magnetic flux by secondary coil causes more flux to attract armature



Temperature switch symbols



Normally-open
(NO)



Normally-closed
(NC)







Flow switch symbols



Normally-open
(NO)



Normally-closed
(NC)



CAUTION

THIS APPARATUS MUST BE DISCONNECTED FROM POWER
COMPLETELY BEFORE OPENING CASE & MUST BE
COMPLETELY CLOSED AGAIN BEFORE RECONNECTING.
THIS EXPLOSION-PROOF HOUSING MEETS ALL U.S.
CODE CLASS I - GROUP D REQUIREMENTS