

**canfield
connector**

5800 SERIES

MINI AND ISO
MICRO LOGIC
TIMER

GENERAL DESCRIPTION

The Canfield Connector 5800 Series Micro Logic Timer is a solid state electronic timing unit incorporated inside the standard MINI and DIN Style "A" EN175301-803 (Formerly DIN 43650) electrical connectors. The MLT allows precise timing and logic functions in a small, easily mounted enclosure. There are eight standard timer types. Each timer incorporates circuitry for AC or DC operation with a wide voltage range.



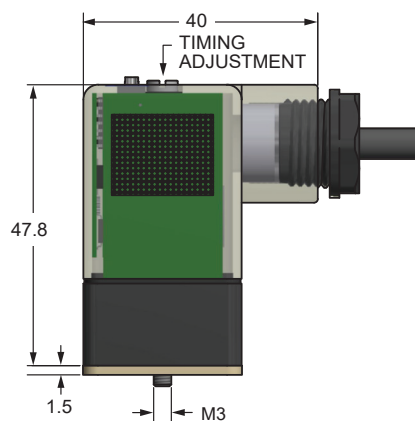
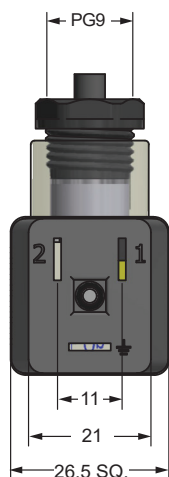
ISO, Lighted version shown above

DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

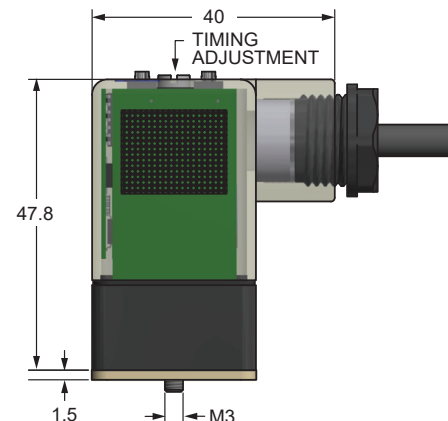
MINI

Ground Down Shown



ISO

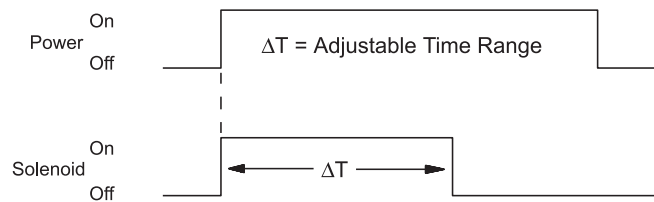
Dual Ground Shown



TIMER TYPES

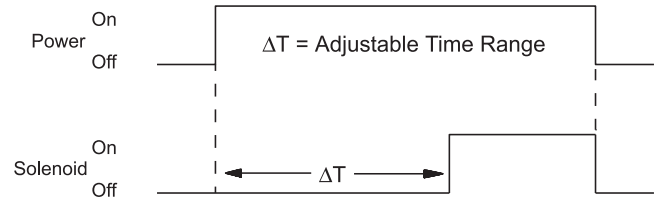
TYPE 1 - INTERVAL DELAY / (ONE SHOT)

Solenoid is energized for ΔT upon application of power. Reset occurs when power is removed.



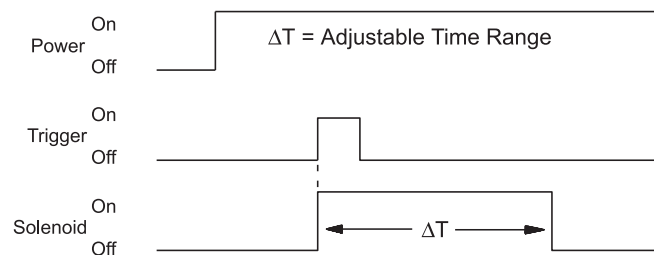
TYPE 2 - ON DELAY / (DELAY ON MAKE)

Solenoid remains OFF for ΔT upon application of power. Reset occurs when power is removed.



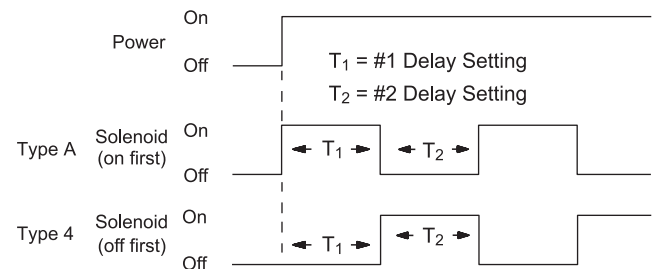
TYPE 3 - OFF DELAY / (TRIGGERED ONE SHOT)

When power is applied, solenoid remains OFF. Solenoid is energized for ΔT only upon closure of a normally open momentary contact switch (trigger). Reset occurs when solenoid is OFF and trigger is re-applied.



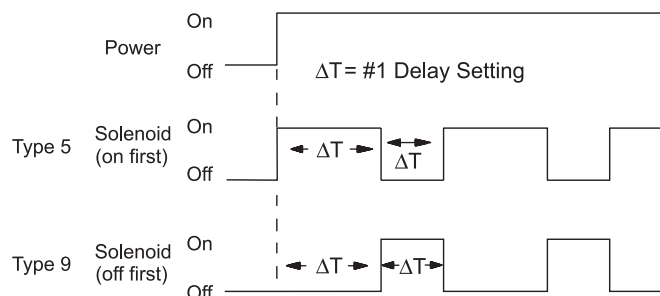
TYPE 4 / A - CYCLE TIMER

Solenoid cycles ΔT_1 OFF and ΔT_2 ON when power is applied. Reset occurs when power is removed. Timer is available in normally on (Type A) or normally off (Type 4) versions.



TYPE 5 / 9 - SQUARE WAVE CYCLE TIMER

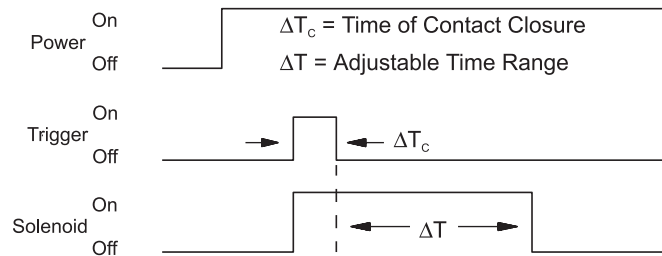
Solenoid cycles with equal ON and OFF times when power is applied. Reset occurs when power is removed. Timer is available in normally on (Type 5) or normally off (Type 9) versions.



TIMER TYPES CONT.

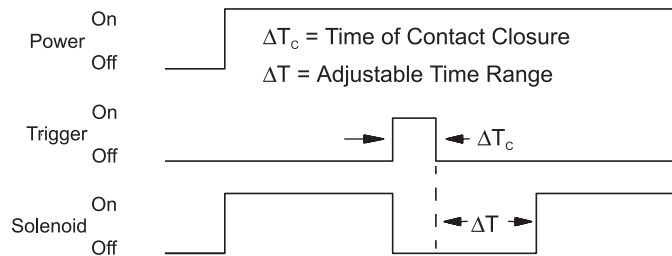
TYPE 6 - DELAY ON BREAK NORMALLY OFF

When power is applied, solenoid remains OFF. Solenoid is energized for $\Delta T_c + \Delta T$ when trigger switch is closed and opened. Reset occurs when solenoid is OFF and trigger is re-applied.



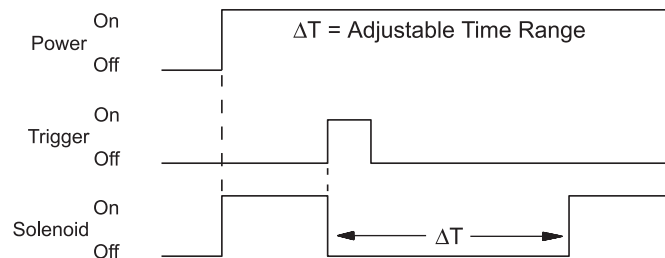
TYPE 7 - DELAY ON BREAK NORMALLY ON

When power is applied, solenoid is energized and remains energized until the trigger switch is closed. Solenoid is then OFF for $\Delta T_c + \Delta T$. Reset occurs when solenoid is ON and the trigger is re-applied.



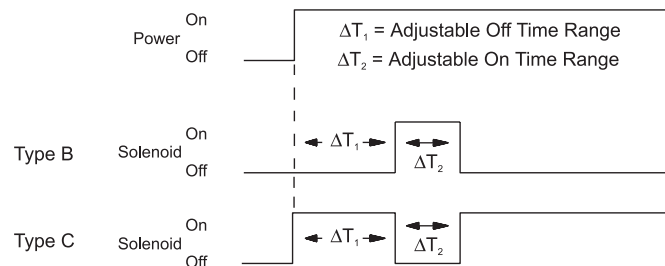
TYPE 8 - TRIGGERED ONE SHOT NORMALLY ON

When power is applied, the solenoid is energized. Solenoid de-energizes for ΔT only upon closure of a normally open momentary contact switch (trigger). Reset occurs when solenoid is ON and the trigger is re-applied.



TYPE B / C - SINGLE CYCLE TIMER

Solenoid cycles ΔT_1 OFF and ΔT_2 ON when power is applied. Reset occurs when power is removed. Timer is available in normally off (Type B) or normally on (Type C).



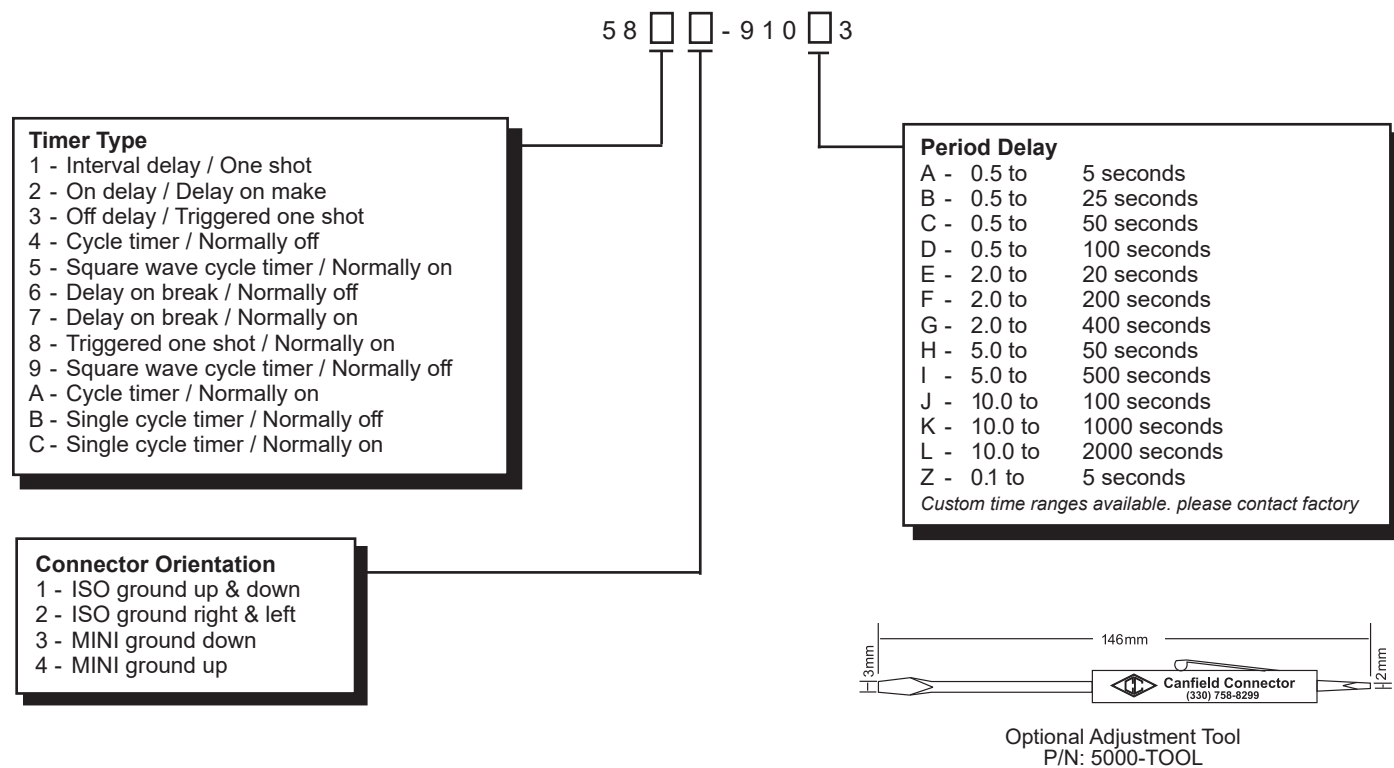
TECHNICAL DATA

Input Voltage Range	12-240 VDC, 24-240 VAC (50/60 Hz)
Max. Input Voltage	Tolerance: +/-10%
Max. Output Current	1 Amp
Frequency	AC 50/60 Hz or DC
Time Ranges	0.1 sec. to 33 min.; Standard
Timer Repeat Accuracy	+/-0.5%; Under normal conditions
Surge Suppression	MOV
Materials	Housing: PC
Indicator Light	Red
Ambient Rated Temp.	-20° to +60°C
Environmental Protection	IP 65 and NEMA 4
Cable Diameter	0.240"
Cable Conductor Color	Brown, Green, White (Trigger; Yellow, Gray)
Cable Type	Pressure Extruded PVC Jacket
Wire Gauge	20 AWG; Standard
Wire Length	9ft.; Standard

NOTE: Slight discoloration may occur to translucent material after prolonged exposure to UV rays.

ORDERING INFORMATION

Each connector kit contains screw, washer and gasket assembly.



Consult factory for available versions listed by Canadian Standards Association for use with certified electrical equipment.

Ordering Example: 5811 - 910A3

Interval Delay, ISO ground up & down,
0.5 to 5 second delay