EP214

System Line Terminator

CE

The EP214 facilitates the straightforward termination of the EP203 Automatic Extinguisher Panel's extinguishant output to a maximimum of two solenoids (desribed below) or multiple Metrons (see overleaf).
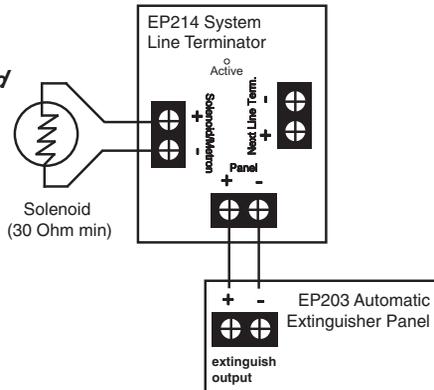
Typical solenoid wiring

The EP203's extinguishant output is capable of supplying 1A for a maximum duration of 5 minutes (the actual duration can be set using the panel's commissioning menus).
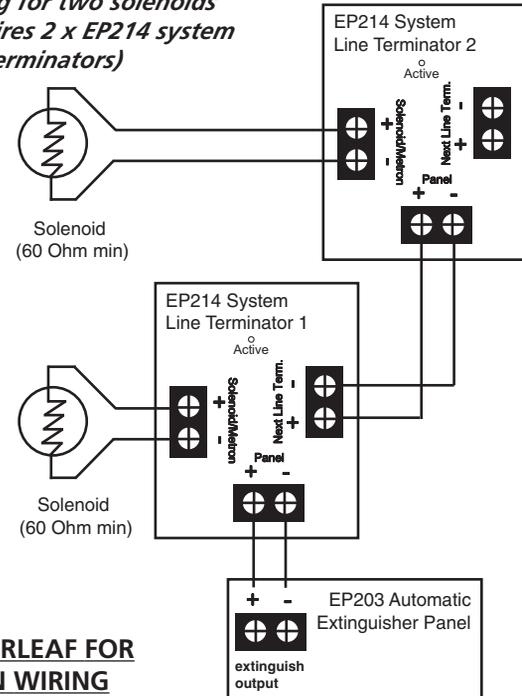
If connecting one solenoid (as shown in Figure 1), it must have a resistance greater than 30 ohms. If connecting two solenoids (as shown in Fig. 2), each solenoid must have a resistance greater than 60 ohms.

Note that one EP214 terminator is required per solenoid (max. 2 per system) and the quantity used (1 or 2) should be programmed into the EP203 panel via its comissioning menus.

Figure 2 :
Wiring for two solenoids
(requires 2 x EP214 system
line terminators)

EP214 System
Line Terminator 2

Active

Solenoid/Metron

Next Line Term.

Panel

Solenoid
(60 Ohm min)

EP214 System
Line Terminator 1

Active

Solenoid/Metron

Next Line Term.

Panel

Solenoid
(60 Ohm min)

+   -

EP203 Automatic
Extinguisher Panel

extinguish
output

Figure 1 :
Wiring for
one solenoid

EP214 System
Line Terminator

Active

Solenoid/Metron

Next Line Term.

Panel

Solenoid
(30 Ohm min)

+   -

EP203 Automatic
Extinguisher Panel

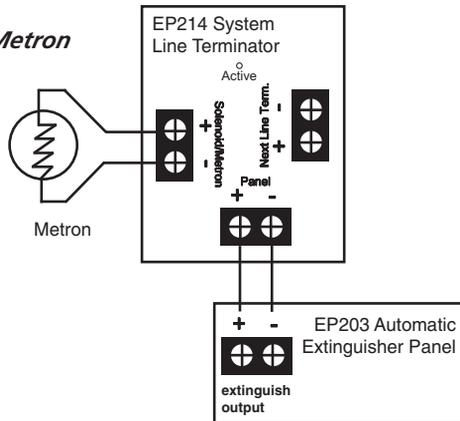extinguish
output

<u>**SEE OVERLEAF FOR
METRON WIRING**</u>

Typical Metron (igniting actuator) wiring

The EP203's extinguishant output is capable of supplying 3A for 50 millseconds to ignite one or more Metron-type actuators.
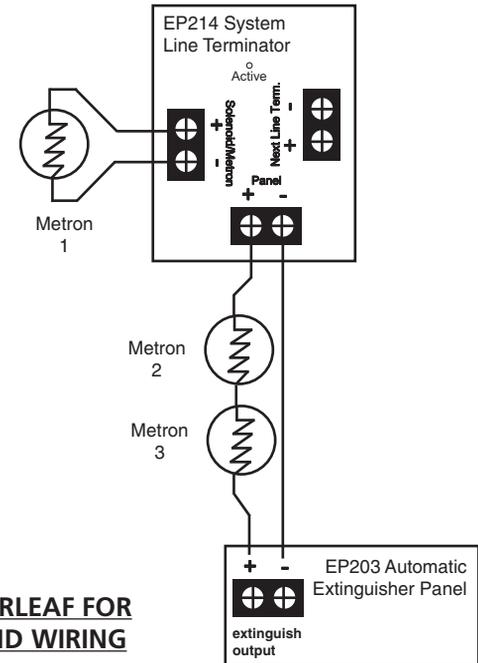
If connecting one Metron, wire as shown in Fig. 3. If connecting multiple Metrons, wire the first to the EP214's solenoid/metron output and all others in series with the extinguishant output's +Ve line, as shown in Fig. 4.

Note that the total series resistance of the Metron(s) and wiring should not exceed 7 ohms.

Figure 3 :
Wiring for one Metron

Figure 4 :
Wiring for multiple Metrons

SEE OVERLEAF FOR
SOLENOID WIRING

TECHNICAL SPECIFICATION
Dimensions (WxHxD): 55mm x 55mm x 22mm approx
Connectors: Solenoid/Metron (+Ve & -Ve); Panel (+Ve & -Ve); Next Line Term (+Ve & -Ve). Max. cable size: 1.5mm
Indicators: 1 x Active LED (illuminates red when the EP203 panel's extinguishant output is active)

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