

MilliAMP™

A Certified, stand-alone 10 MilliAMP GFCI/ELCI Equipment Protection Device.

MilliAMP has many uses, including heat tracing circuits, submersible pumps and other wet location products or appliances. 120 or 240 volt compatible.



Caution: All electrical components should be installed by licensed electricians and inspected by the power authorities.



ELECTRICAL EQUIPMENT PROTECTION DEVICE

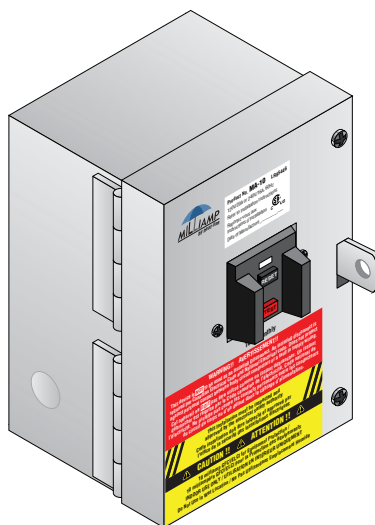
DESIGNED TO PROTECT THE ELECTRICAL CIRCUIT, END USER AND TRADESPERSON

MilliAMP is an Equipment Leakage Circuit Interrupter (ELCI) designed for electrical equipment and shock protection of sewage pumps, water pumps, heating cables and many other electrical appliances. It is a product that can complement every small pump with special attention to submersibles.

Traditionally, ground fault protection is handled by the electrical trade in the form of a receptacle or circuit breaker normally purchased through reputable electrical distributors only. Heat-Line determined that plumbing / mechanical installers could also benefit from ELCI/GFCI protection devices for pumps and pressure systems of all types, and distributors indicated they would appreciate a new product that would complement the pumps they already sell.

With experience from the electrical side, Heat-Line decided there was an opportunity to develop a product that would provide a much higher level of electrical safety to the entire industry. In order to achieve this, Heat-Line developed a device that is easy to install and not specific to any particular electrical panels or equipment. The MilliAMP MA-10 is a safety and equipment protection device that can be sold with any 120 volt, 20 Amp or 240 volt, 16 Amp pump.

MILLIAMP™ PART CODE



Product Code: MA-10

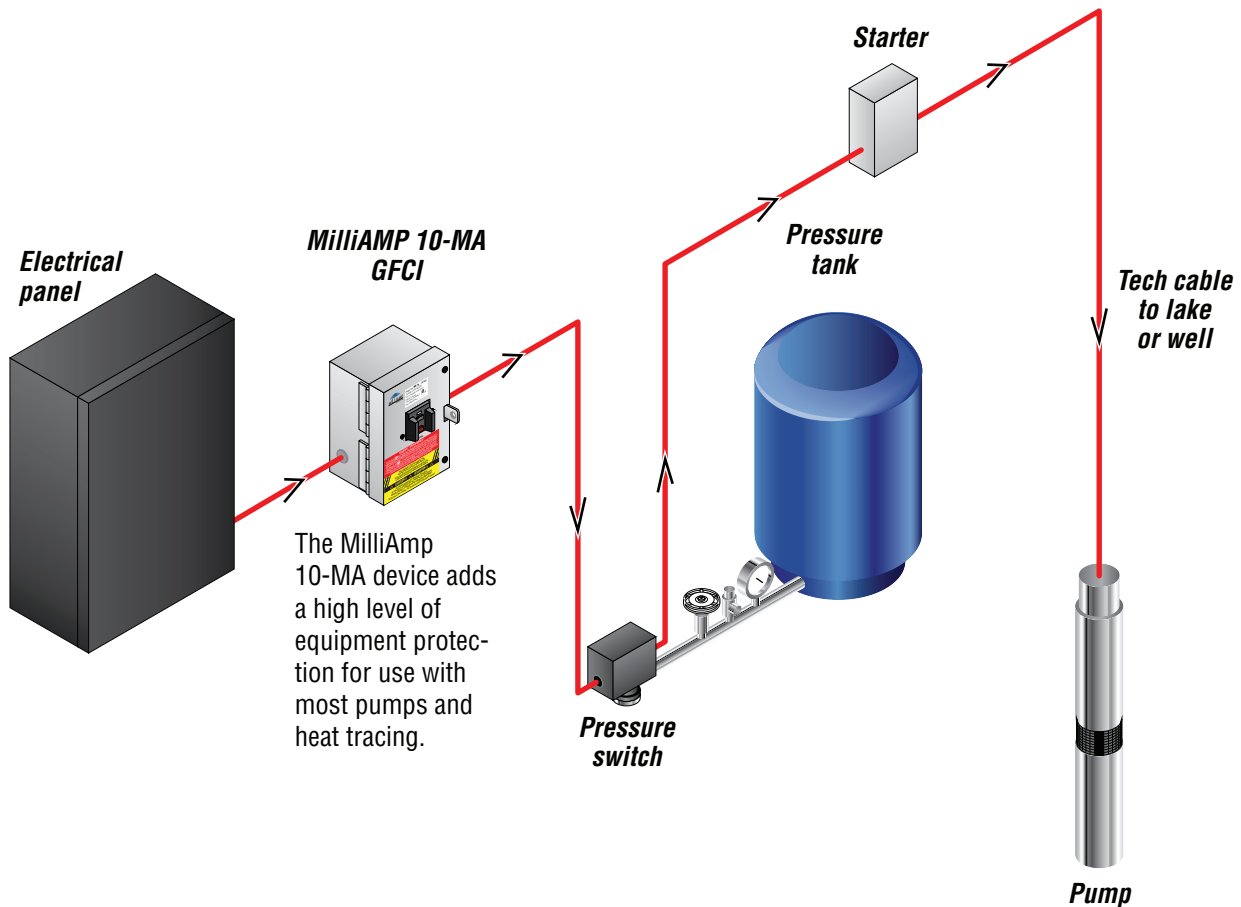
ELCI with enclosure, CSA approved, 10 mA typical trip level, 120 volt, 20 Amp or 240 volt, 16 Amp voltage rating.

CAUTION: This device is primarily designed for equipment protection and while it does provide a high level of safety, it is not a Class A Ground Fault Circuit Interrupter (GFCI).

Typical Application

MilliAMP Wiring Through Pressure Switch and Starter to Submersible Pump

Note: There are various suitable wiring methods. This illustration represents what Heat-Line believes is one of the most common applications.



In a 240 volt system, always utilize the double pole switch to break both Line 1 and Line 2 when the switch opens.

The use of tech cable (armoured and PVC jacketed) for electrical feeds to the pump in lake applications is highly recommended. Heat-Line furnishes these cables with a quad end-seal boot technology to seal the cables in the lake. We do not recommend the use of NMWU well pump type cables as they are subject to moisture and voltage drop, which may interfere with ground fault devices.

The installation must be inspected and approved by electrical authorities before being energized.