



Technitron T2075

AC Cascade Control



Fixed Format Cascade/Multi-Valve Constant Current Control

The T2075 microprocessor based constant current, multi-valve resistance weld control is versatile, user friendly, reliable, compact, and durable. The modular design provides maximum flexibility while precisely controlling each SCR in the system. It can be configured with a single SCR or up to eight SCRs in a provide simple machine control by using eight selectable valves.

- The T2075 is equipped with 60 unique schedules, each with its own independent high/low current monitor. The schedule can be chained and/or successively linked in random or sequential order to perform a variety of welding or machine operations.
- With eight standard and eight optional valve outputs, the T2075 can perform a variety of machine functions without the need of a PLC; including weld guns, clamping, shifting, ejecting and more.
- The optional Technitron weld control networking feature provides weld schedule uploading/downloading, data collection, and schedule back up from any weld control on the network. Connecting individual we controls to a PC or laptop can access the same features.
- While a choice of three enclosures styles and retrofit package are available, each unit is built on a common platform, making standardization and interchangeability a reality.



Key Features

- Eight programmable machine valves
- Eight programmable SCRs
- Primary or secondary constant current
- Eighteen diagnostic control codes
- Eight available linear steppers
- DEP remote mounted
- Parts counter
- Weld monitor with high/low windows
- 60 available schedules

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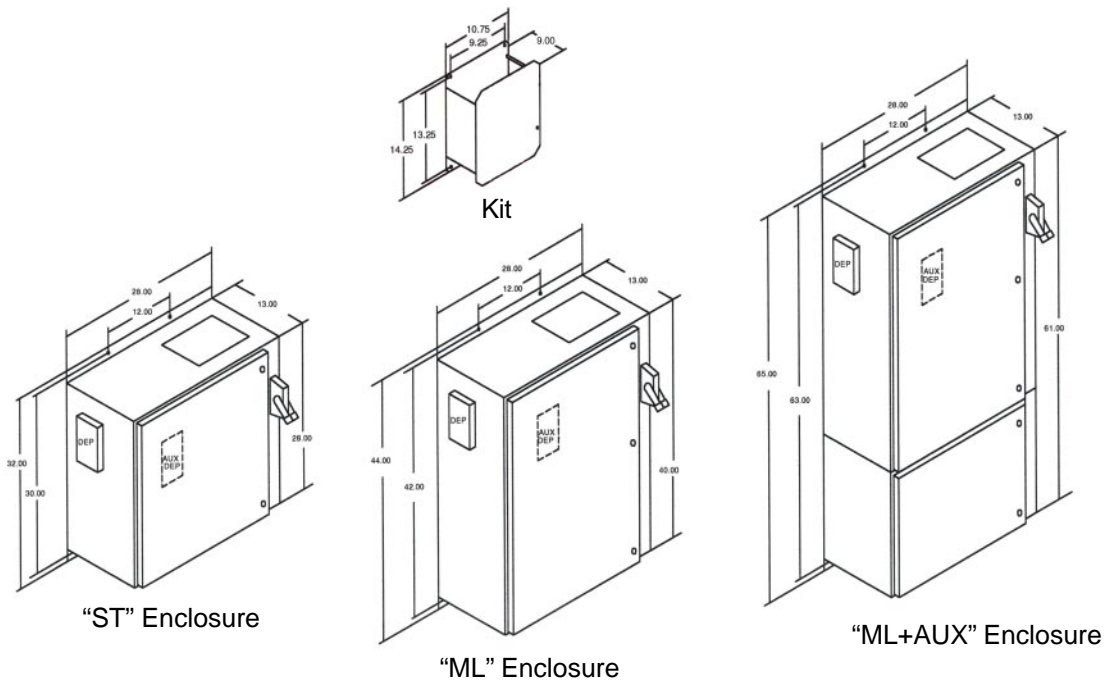


Standard Features

- Constant current control or % of available current
- Primary or secondary current monitoring
- Eight programmable SCRs
- Eight programmable gun valves
- Eight programmable turns ratio
- High/low current limits
- Seven Faults (E-Stop, Contactor Short, Over Temp, ½ Cycle, Compensation, Low Current, and Stepper End)
- Steppers (four, two segment linear steppers)
- Successive weld sequences (multi pilot)
- Chain multiple sequences (single pilot)
- Pressure switch or second stage operation
- External pilots (discrete or binary)
- RS-485 port
- Upload / download
- External E-Stop and no weld inputs
- Program lockout - four different security levels
- Repeat or non-repeat
- Pressure control via binary outputs
- Weld counter / parts counter
- Diagnostic faults

Options

- Eight programmable machine valve outputs
- Network manager software
 - Network up to 15 timers
 - Statistical process control (SPC)
 - Program uploading and downloading
 - Last weld data
 - Fault history
- Integral gun kit ("ML" enclosure)
- Lockout switch
- Retraction
- Schedule select box
- Secondary current coil
- Weld indicator light ("ST" and "ML" enclosure)



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