

FT100 Torch Ignitor

Automatic Oxyfuel Torch Ignition

Overview:

The FT100 Torch Ignitor is used to remotely ignite any brand of oxyfuel torch. Since no arc is struck, critical alignment is not needed for the ignitor, allowing for an easy and fast tip change out.

Features and Benefits:

- Provides dependable torch ignition even in windy conditions.
- Self-contained lighting system reliably starts ignitor, even with low pressure natural gas.
- Each torch station has its own high voltage transformer and a preheat fuel gas solenoid valve for maximum reliability.
- Individual programmable station selection in the CNC mode (control dependant) automates cutting process for high productivity.



System Description:

When the FT100 Torch Ignitor is energized, the fuel gas solenoid opens, allowing gas to flow. The gas is then lit with a high voltage arc (approximately 6500 volts) at the ignitor's nozzle. To assure ignition of the FT100's flame, sparking will continue in four second durations. The flame is aimed along a 45 degree angle at the torch tip. The ignition flame then lights the low preheat fuel gas and oxygen stream exiting from the machine torch's tip.

Application:

Available on EdgeMate, EdgeMaster, Titan II, MPC2000, and TMC4500ST machine models.

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OPTIONS

TABLES

CONTROLS

CUTTING MACHINES