

Model RBA8012-Series

Materials & Features

The T2 provides precise electronic timed flow through microprocessor control of a solenoid valve. The user activates a predetermined cycle of water flow by pressing a stainless steel piezo button. Building managers can easily select from 32 run-time options. Suitable for public washrooms and showers, aquatic centres, sports locker rooms, caravan park amenities and other commercial installations.

Technical Detail

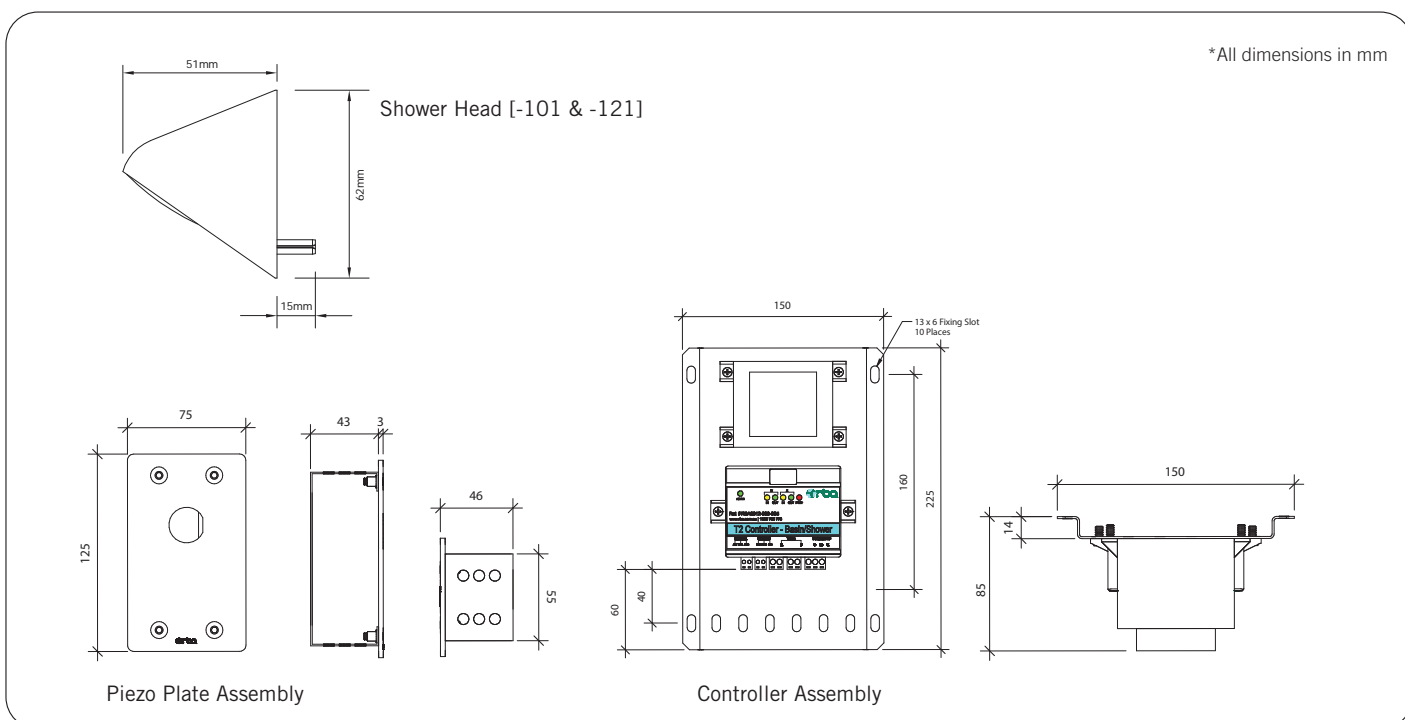
Transformer	240V AC to 24V AC
Watermarked solenoid	1/2" BSP - #316 SS WMTS-030 Lic.060042
Piezo button	#316 SS
Force to activate	3-5 N
Piezo cable	3m, 7/0.3 1 Pair Overall Screen Cable
Solenoid cable	3m, 24/02 0.75mm ² , Fig.8
Solenoid operating range	20-1000kPa
Temperature range	5°C-60°C [-121 only]
Shower head flow rate:	7LPM [-121 only]
WELS Reg. number	S06168
Mains Power Supply [GPO]	By Others
Run Times	Ranges from 10 seconds to 5 minutes Factory set at 30 seconds

*RBA8012-101 shown

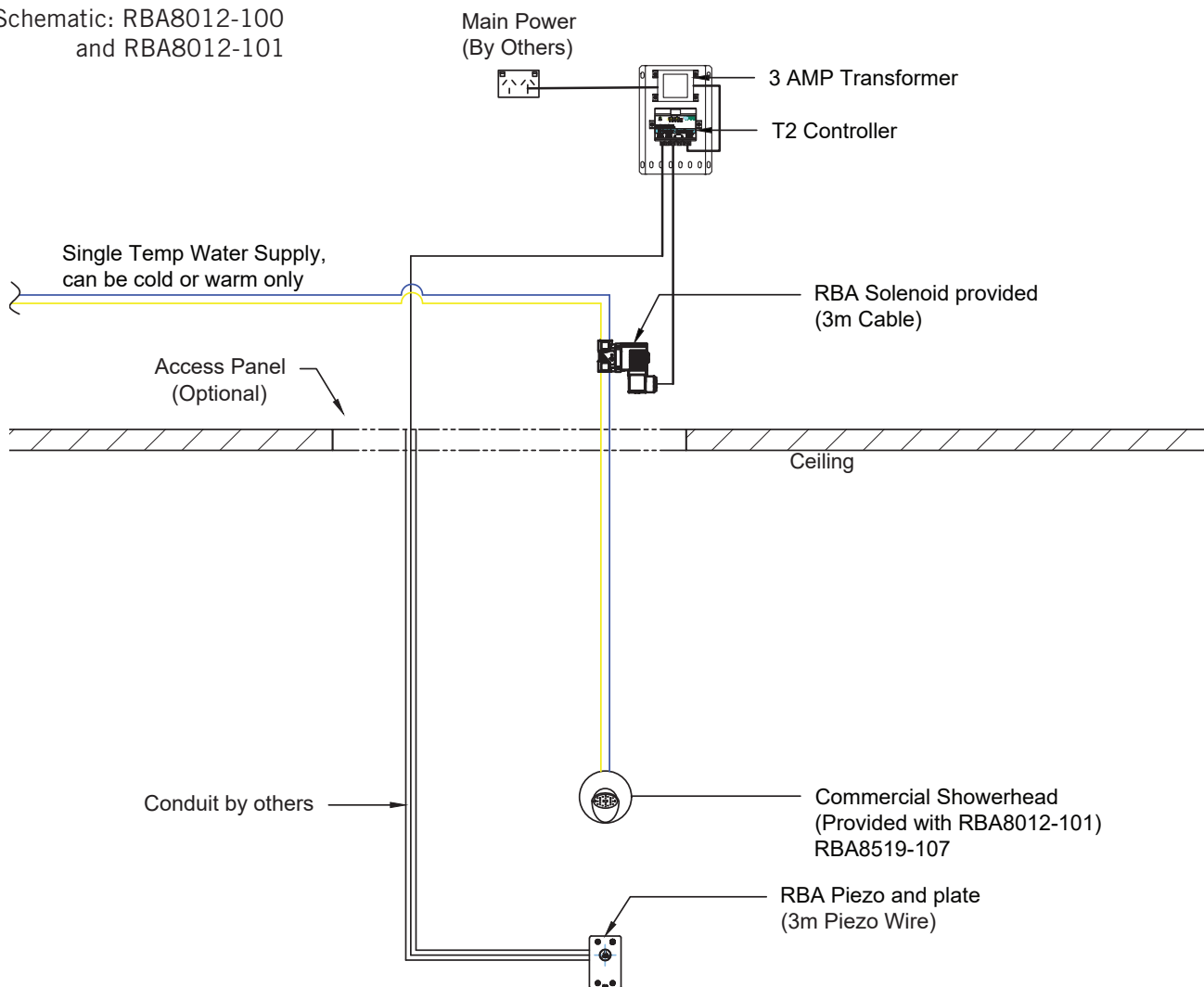
Available Models

RBA8012-100	Valve controller + Stainless Steel piezo plate + Watermarked Solenoid valve + Power pack
RBA8012-101	As per RBA8012-100 + 7LPM shower head
RBA8012-120	As per RBA8012-100 but controls 2 showers
RBA8012-121	As per RBA8012-120 + 2 x 7LPM shower heads

Important: Installation instructions and current rough-in details should be furnished with each fixture. Do not rough in without certified dimensions. Dimensions are subject to manufacturer's tolerance of +/-10mm.



Schematic: RBA8012-100
and RBA8012-101



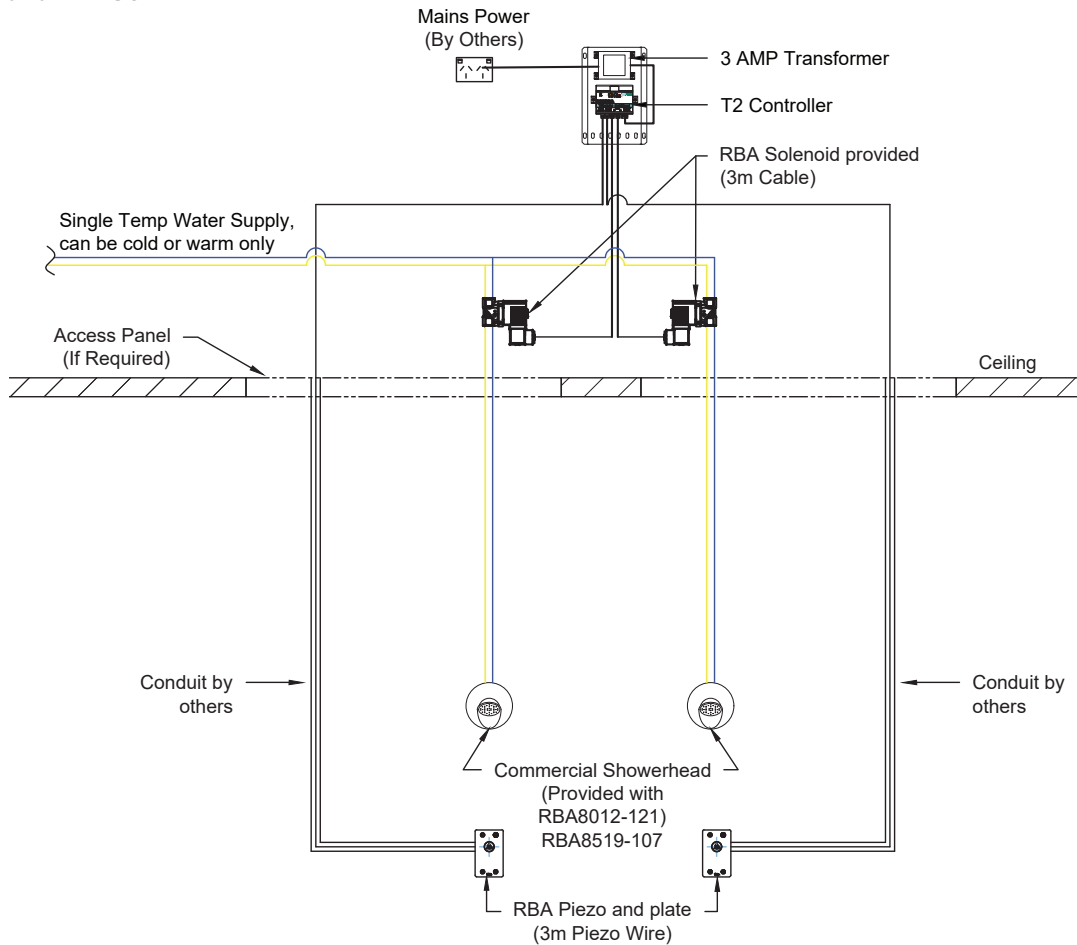
Cable Specification up to 20m

- Piezo - 7/0.30 1 Pair Overall Screen Cable
- Solenoid - 24/0.20 7.5mm² Figure 8

Note:

When Thermostatic Mixing Valves or Tempering Valves are installed to supply warm water to the inlet of the Time-Trol shower solenoid, if the heated water supply to these valves is from a Mains Pressure Water Heater, excess pressure on the heated water supply line can occur during the Water Heater's heating cycle which may be as high as 1400kPa subject to the Pressure and Temperature Relief Valve fitted to the Water Heater. Non return valves are fitted to Thermostatic Mixing Valves and Tempering Valves on both the heated and cold water inlets. As expansion occurs internal of the Water Heater during the heating cycle, the heated water line may pressurise through either valve which may result in a pressure lock occurring at the shower solenoid. This may result in the shower ceasing to operate as intended. Should this occur, isolate the heated and cold water supply lines and disconnect the warm water line to the shower to release the excess pressure. Reinstall the connection, check for leaks and actuate the shower to verify operation. Alternatively, the installation of a Pressure Reducing Valve on the warm water line supplying the shower may prevent such a pressure lock occurring.

Schematic: RBA8012-120
and RBA8012-121



Cable Specification up to 20m

- Piezo - 7/0.30 1 Pair Overall Screen Cable
- Solenoid - 24/0.20 7.5mm² Figure 8

Note:

When Thermostatic Mixing Valves or Tempering Valves are installed to supply warm water to the inlet of the Time-Trol shower solenoid, if the heated water supply to these valves is from a Mains Pressure Water Heater, excess pressure on the heated water supply line can occur during the Water Heater's heating cycle which may be as high as 1400kPa subject to the Pressure and Temperature Relief Valve fitted to the Water Heater. Non return valves are fitted to Thermostatic Mixing Valves and Tempering Valves on both the heated and cold water inlets. As expansion occurs internal of the Water Heater during the heating cycle, the heated water line may pressurise through either valve which may result in a pressure lock occurring at the shower solenoid. This may result in the shower ceasing to operate as intended. Should this occur, isolate the heated and cold water supply lines and disconnect the warm water line to the shower to release the excess pressure. Reinstall the connection, check for leaks and actuate the shower to verify operation. Alternatively, the installation of a Pressure Reducing Valve on the warm water line supplying the shower may prevent such a pressure lock occurring.