

DIN 22.5mm

Features:

- Cyclic Timer with Unequal ON & OFF Time
- 6 Time Ranges
- **Universal Supply Voltage**
- LED Indications: Power ON, Relay ON
- **Finger Safe Terminals**

Certification : (\in



Display Specifications

Input Specifications

Accuracy	Setting: ±5% of F.S.
	Repeat: ± 0.5% or 50msec (F.S. = Full Scale)

Output Specifications

Relay Contact	2 C/O DPDT
Contact Rating	5A @ 250V AC / 24V DC, resistive

Functional Specifications

Modes	Cyclic ON first or OFF first
Time Ranges	0 - 1sec / min / hr (ON Time) 0 - 10sec / min / hr (ON Time) 0 - 1sec / min / hr (OFF Time) 0 - 10sec / min / hr (OFF Time)
Resolution	0.1sec
Reset	On power interruption Reset time < 100msec

Auxiliary Supply Specifications

Supply Voltage	20 to 240V AC (50 / 60Hz) 12 to 240V DC
Power Consumption	2VA max

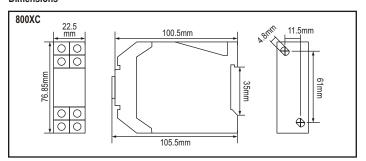
Environmental Specifications

Temperature	Operating: 0 to 50°C (32 to 122°F)
	Storage: -20 to 75°C (-4 to 167°F)
Humidity (non - condensing)	95% RH

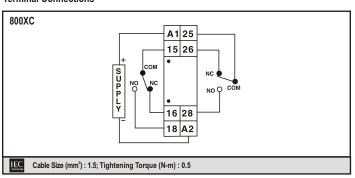
Environmental Specifications

Mounting	DIN Rail Mount	
Weight	110gms	

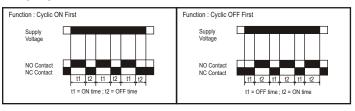
Dimensions



Terminal Connections



Timing Diagrams



Compliance

Applicable EMI / EMC Standards		
Product Standard		
Category	Reference Standards	Testing Level
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Brust	IEC 61000-4-4	Level-3
Electromagnetic Field	IEC 61000-4-3	Level-3
Surge	IEC 61000-4-5	Level-3
Conducted RF	IEC 61000-4-6	Level-2
Rated Power Frequency	IEC 61000-4-8	Level-4
Voltage Dip / Short Interruptions	IEC 61000-4-11	Level-3
Conducted Emissions	CISPR-11	Class-B
Rated Emissions	CISPR-22	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	
PFMF (Passing criteria)	IEC 61000-4-8	Class A

Ordering Information

Product Code	Supply Voltage	Certification
800XC	20 to 240V AC 12 to 240V DC	
800XC-CE	20 to 240V AC 12 to 240V DC	C€

www.selec.com

OPERATING INSTRUCTIONS 800XC



SPECIFICATIONS

SUPPLY 20 to 240V AC (50 / 60Hz)

12 to 240V DC **VOLTAGE**

DELAY MODES Cyclic ON first or OFF first

TIME RANGES 0 - 1sec / min / hr (ON Time)

> 0 - 10sec / min / hr (ON Time) 0 - 1sec / min / hr (OFF Time)

> 0 - 10sec / min / hr (OFF Time)

OUTPUT

5A @ 230V AC / 24V DC, resistive

2 C/O DPDT CONTACT

ACCURACY Setting: ±5% of full scale Repeat: ± 0.5% or 50msec

LED INDICATION 1) Power 'ON'.

2) Relay 'ON'.

RESET

On power interruption Reset time < 100msec

RELAY RATING

5A @ 230V AC / 24V DC

resistive.

MECHANICAL ENDURANCE

1 x 10⁷ operations

ELECTRICAL ENDURANCE 5 x 10⁴ operations (8A 250VAC)

MOUNTING

1) DIN rail

SIZE (in mm)

22.5(W) x 76.85(H) X 100.5(D).

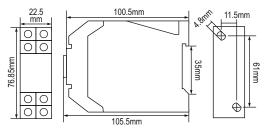
TEMPERATURE

Operating: 0 to 50°C Storage: -20 to 75°C

95% RH.

HUMIDITY WEIGHT 110gms

PANEL DIMENSIONS



SAFETY SUMMARY

All safety related codification, symbols and instructions that appear in this operating instruction manual must be strictly observed to ensure operator as well as equipment safety. The instruction manual is meant for personnel involved in wiring, installation, operation and routine maintenance of the equipment.

If the equipment related above safety measures are not practiced, the manufacturer does not have any liability for human or equipment safety.

A CAUTION: Read complete instructions prior to installation and operation of the unit.

A CAUTION: Risk of electric shock.

MAINTENANCE

1. The power supply should be switched off before removing the equipment for cleaning. Ensure that no parts are charged.

2. Clean the equipment with a clean, soft cloth soaked in water. Do not use any other cleaning agent other than the one specified by manufacturer.

INSTALLATION GUIDELINES

↑ CAUTION:

- 1. The equipment is built-in type with Class II construction and is protected by reinforced insulation. Terminals are a part of the front panel and are protected by means of finger guard. Finger guards are not to be removed during wiring, installation, operation or maintenance.
- 2. Conductors must not come in contact with the internal circuitry of the equipment as it may lead to a safety hazard.
- 3. Circuit breaker or main switch should be installed between power source and supply terminals to facilitate power ON/OFF function. This installation must be in a convenient position normally accessible to the operator.

- 1. The equipment should not be installed in the 1. For load current less than 0.5A environmental conditions other than those mentioned in this manual.
- 2. Fuse Protection: The equipment does not have a built-in fuse. A fuse of rating 275 VAC/1Amp is recommended.

EMC Installation Guidelines:

- 1. Use proper input power cables with shortest connections and twisted type.
- 2. Layout of connecting cables shall be away from any internal emf source.

Mechanical Installation Guidelines:

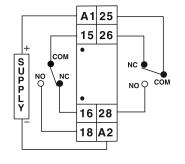
- 1. The equipment uses a clamp for T type DIN rail only.
- 2. Ensure that the rail clamp is correctly fitted.
- 3. Slide the equipment using appropriate tools and holding the unit from the front side, slide it over the fixed

WIRING GUIDELINES

∧ CAUTION:

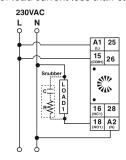
- 1. The power should be turned off while wiring and maintenance to prevent the risk of electric shock. Do not touch the terminals when power is ON.
- 2. Wiring shall be done strictly according to the terminal layout with shortest connections. Confirm that all the connections are correct.
- 3.Use lugged terminals to meet M3 screws and ensure that the screws are tightened.

TERMINAL CONNECTIONS

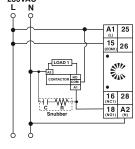


TERMINAL	DESCRIPTION	
A 1	L TIMER SUPPLY	
A2	N TIMER SUPPLY	
15/25	сом —	
16/26	NC RELAY CONTACT	
18/28	NO — CONTACT	

TYPICAL LOAD CONNECTIONS



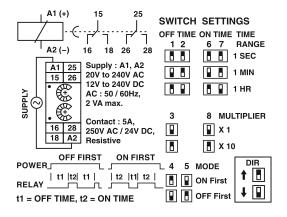
2. For bigger loads, use interposing relay/contactor



- 1) Snubber Part No.: APRC 01.
- 2) MOV Part No.: AP-MOV 03.

Note: Use snubber as shown above to increase the life of internal relay.

DIP SWITCH SETTINGS FOR SELECTION OF **DELAY MODES**



(Specifications subject to change as development is a continuous process)

Selec Controls Pvt. Ltd.

(Formerly Selectron Process Controls Pvt. Ltd.) Tel:91-22-28476443, Fax:91-22-28471733,

Website: www.selec.com E- mail: sales@selec.com.

Document name: Operating/0711/800XC/ Version 1 OP