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TIMING

Altech is pleased to offer a variety of timing equipment comprised of:

- DIN Mounted Timers
- Panel Mounted Timers
- Digital Timers

These components cover a vast range of timing functions from the most basic of settings to the most advanced.



Applicable EMI / EMC Standards

Product Standard: IEC 61326-1

Products

Electromagnetic Compatibility

Category		Standards Compliance
ESD Immunity	IEC 61000-4-2	Level II for Contact discharge Level III for Air discharge
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode,
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility	IEC 61000-4-6	Level II
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level II

Multifunction Digital Timer Panel Mount

FEATURES

- Multifunction - 7 Timing Functions
- 9 Time Ranges, Seconds/Minutes/Hours
- Dual Display, 4 Digit, 7 segment LED
- 2 Setpoints



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E253771

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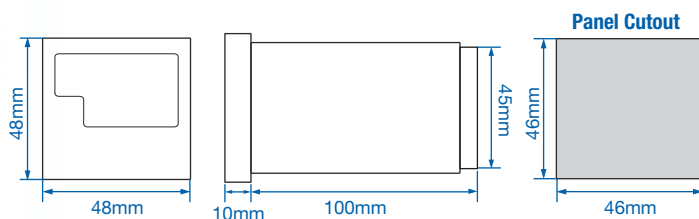
XT5042

Display	
Display Type	7 Segment LED Display
Digits	2 row of 4 digits
LED Indication	LED 1: Relay 1, LED 2: Relay 2, LED 3: Sec., LED 4: Min., LED 5: Hrs.
Supply Specification	
Input Voltage	85-270V AC/DC (50/60Hz)
Input Specification	
Start Input	Gate / Pulse start (programmable)
Reset	Front, remote, power interruption (programmable)
Output Specification	
Main Output	2 SPST - 2NO - 5 @ 230V AC
Functional Specification	
Modes	ON delay / Interval / Cyclic ON first / Cyclic OFF first / Forward-pause-reverse / Instantaneous+delayed batch
Time Ranges	0-99.99 sec / 0-999.9 sec/min/hr / 0-9999 sec/min/hr / 0-99:59 min: sec / 0-99:59 hr:min
Counting Direction	Up/Down
Memory	10 years
Power Consumption	5VA max
Set Point	2
Accuracy	
Timer	+/- .05% of Full Scale or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	175 grams (.385 lbs)
Protection Level	IP65 (for faceplate)

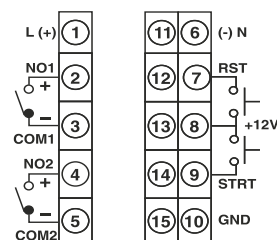
Ordering Information

Part No.	Supply Voltage	CE	RoHS	c UL US
XT5042-CU	85 to 270V AC/DC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

FEATURES

- ON Delay / Interval
- 12 Time Ranges, Seconds/Minutes/Hours
- Universal Supply Voltage
- Compact Size
- Size: 1/16 DIN 48mm x 48mm
- Panel Mount / Plug-in Timer



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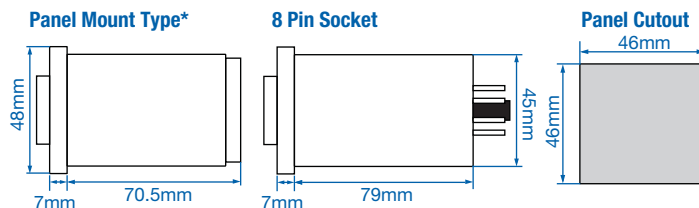
55XU

Display	
Display Type	Analog Timer
Digits	N/A
Resolution	Analog
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	20-240V AC (50/60Hz) and 12-240V DC
Input Specification	
Reset	On interruption of power; Reset time <100m sec
Output Specification	
Main Output	DPDT - 2 C/O - 5A @ 230V AC / 24 V DC, resistive
Functional Specification	
Modes	ON delay/interval
Time Ranges	0-1 sec/min/hr / 0-3 sec/min/hr / 0-10 sec/min/hr / 0-30 sec/min/hr
Power Consumption	2VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	100 grams (.22 lbs)
Protection Level	-

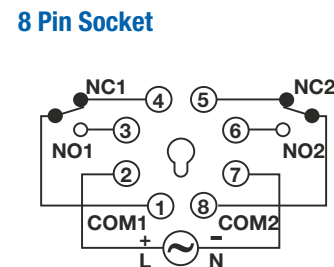
Ordering Information

Part No.	Supply Voltage	Terminal Connection	CE	UL US	UL US
55XU-P8-CU	20 to 240V AC; 12 to 240V DC	8 Pin*	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS*



* For screw terminals please contact Altech Corp.



Analog ON-Delay / Interval Timer, SPDT Panel Mount - Plug-in

FEATURES

- ON Delay / Interval
- 8 Time Ranges, Seconds/Minutes
- Dual Supply Voltage
- Compact Size
- Size: 1/16 DIN 48mm x 48mm
- Panel Mount / Plug-in Timer



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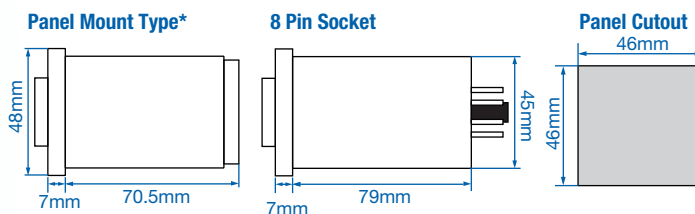
55ES

Display	
Display Type	Analog Timer
Digits	N/A
Resolution	Analog
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	230V AC and 24V AC/DC (50/60Hz) OR 110V AC and 24V AC/DC (50/60Hz)
Input Specification	
Reset	On interruption of power; Reset time <100m sec
Output Specification	
Main Output	SPDT -1 C/O - 5A @230V AC / 24 V DC, resistive
Functional Specification	
Modes	ON delay/interval
Time Ranges	0-3 sec/min / 0-10 sec/min / 0-30 sec/min / 0-60 sec/min
Power Consumption	6VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	80 grams (.176 lbs)
Protection Level	IP40 (for faceplate)

Ordering Information

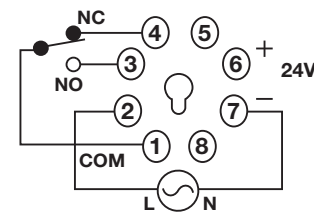
Part No.	Supply Voltage	Terminal Connection	CE	RoHS	UL US
55ES-P8-230-CU	230V AC and 24V AC/DC	8 Pin*	●	●	●
55ES-P8-110-CU	110V AC and 24V AC/DC	8 Pin*	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS*

8 Pin Socket



* For screw terminals please contact Altech Corp.

See pages 42-43 for timing diagrams.

FEATURES

- Cyclic With Unequal ON and OFF Time
- 6 Time Ranges, Seconds/Minutes/Hours
- Universal Supply Voltage
- Compact Size
- Size: 1/16 DIN 48mm x 48mm
- Panel Mount / Plug-in Timer



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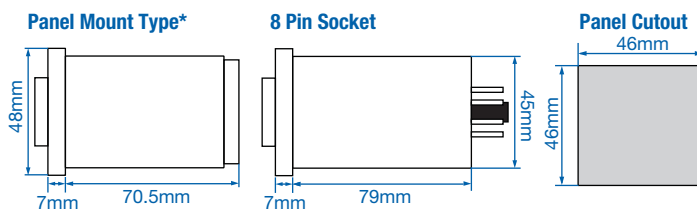
55XC

Display	
Display Type	Analog Timer
Digits	N/A
Resolution	Analog
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	20-240V AC (50/60Hz) and 12-240V DC
Input Specification	
Reset	On interruption of power; Reset time <100m sec
Output Specification	
Main Output	DPDT - 2 C/O - 5A @ 230V AC / 24 V DC, resistive
Functional Specification	
Modes	Cyclic ON first or OFF first
Time Ranges	0-1 sec/min/hr (On time) / 0-10 sec/min/hr (ON time) / 0-1 sec/min/hr (OFF time) / 0-10 sec/min/hr (OFF time)
Power Consumption	3VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	80 grams (.176 lbs)
Protection Level	-

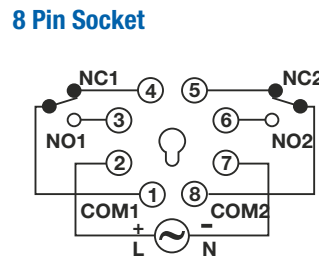
Ordering Information

Part No.	Supply Voltage	Terminal Connection	CE	RoHS	UL US
55XC-P8-CU	20 to 240V AC; 12 to 240V DC	8 Pin*	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS*



* For screw terminals please contact Altech Corp.

See pages 42-43 for timing diagrams.

Digital Multifunction Timer 17.5mm DIN Rail

FEATURES

- 15 Functions
- 8 Time Ranges, Seconds/Minutes/Hours
- Front Key Pad Setting
- Universal supply voltage
- Slim, Space Saving Design
- DIN Rail Mount
- Size: 17.5 mm (width)



600DT

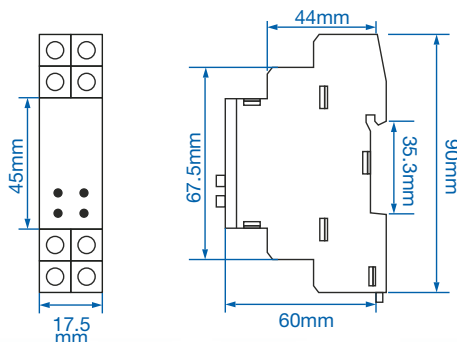
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Display	
Display Type	Liquid Crystal Display
Digits	3 rows of 3 digits
Resolution	Decimal point position selectable 1/0.1 sec.
Supply Specification	
Input Voltage	20-240V AC/DC (50/60Hz)
Input specification	
Reset	Front key, on interruption of power; Reset time < 100m sec
Output Specification	
Main Output	SPDT - 1C/O - 8A @ 250V AC
Functional Specification	
Modes	On delay / Interval / Asymmetrical cyclic equal OFF first / Asymmetrical cyclic equal ON first / Cyclic equal OFF first / Cyclic equal ON first / Pulse output / Delay on break / Delay on make/Delay on break / Interval after break / Single shot / Retriggerable single shot / Latching relay / Delay with totalize / Interval with totalize
Time Ranges	0-99.9 sec/min/hr / 0-99.9 sec/min/hr / 0-9:59 min: sec / 0-9:59 hr:min
Counting Direction	Down
Memory	Yes (Selectable)
Power Consumption	4VA max
Accuracy	
TC INPUTS	Setting: +/- 0.1% of set time or +/-50m sec For Y contact operation: +100m sec Repeat +/- 0.1%
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	69 grams (.152 lbs)
Protection Level	IP40 (for casing) IP20 (for terminals)

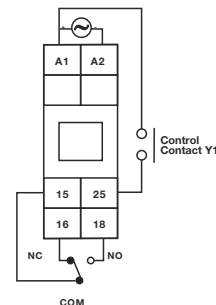
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cULus
600DT-CU	20-240V AC/DC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

TIMING

FEATURES

- 13 Functions
- 10 Time Ranges, Seconds/Minutes/Hours
- Front knobs for Time Range, Time Scale and Mode Setting
- Slim, Space Saving Design
- DIN Rail Mount
- Size: 17.5mm (width)



CAT. NO.

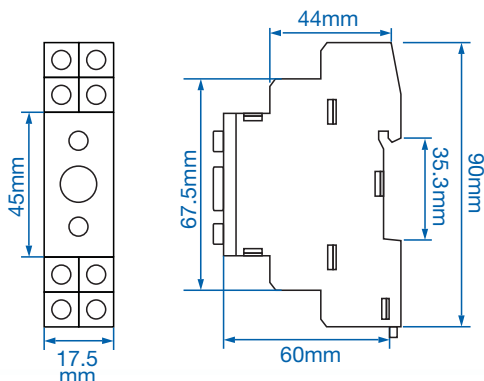
600XU

Display	
Display Type	Analog Timer
Digits	N/A
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	20-240V AC (50/60Hz) and 12-240V DC
Input Specification	
Reset	Reset time <100m sec
Output Specification	
Main Output	SPDT -1C/O - NO/5A, NC/3A@250V AC
Functional Specification	
Modes	On delay / Interval / Cyclic equal OFF first / Cyclic equal ON first / Pulse output, 500m sec fixed / Delay on break / Delay on make / Delay on break / Interval after break / Single shot / Retriggerable single shot / Latching relay / Delay with totalize / Interval with totalize
Time Ranges	0.1 - 1 sec / 0.3 - 3 sec / 1 - 10 sec / 3 - 30 sec 0.1 - 1 min / 0.3 - 3min / 1 -10min / 3 - 30min 0.1 - 1hr / 0.3 - 3hr
Power Consumption	3.2VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	64 grams (.141 lbs)
Protection Level	-

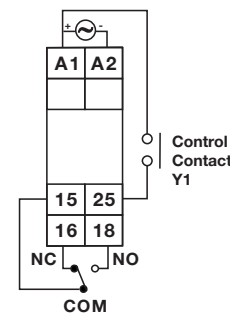
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL US
600XU-A-1-CU	20-240V AC; 12-240V DC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

Analog Star-Delta Timer 17.5mm DIN Rail

FEATURES

- Star Delta
- 2 Time Ranges
- DIN Rail
- Size: 17.5mm (width)



CAT. NO.

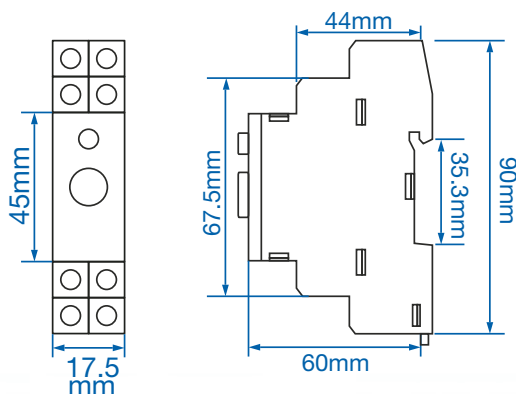
600SD

Display	
Display Type	Analog Timer
Digits	N/A
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	230V AC and 110V AC (50/60Hz)
Input Specification	
Reset	On interruption of power; Reset time <100m sec
Output Specification	
Main Output	SPDT -1C/O - Relay each for star and delta
Functional Specification	
Modes	Star-Delta
Time Ranges	3 -30 sec / 6 - 60 sec Pause time: 50/100m sec
Power Consumption	4VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec. Pause time accuracy: 5% or +/-5m sec
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	73 grams (.163 lbs)
Protection Level	-

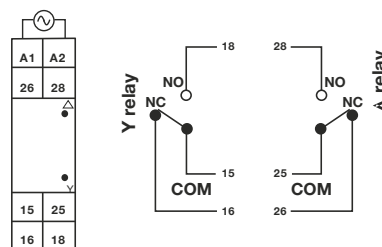
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL US
600SD-2-230-CU	230V AC	●	●	●
600SD-2-110-CU	110V AC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

TIMING

FEATURES

- ON Delay / Interval
- 12 Time Ranges, Seconds/Minutes/Hours
- Universal Supply Voltage
- DIN Rail / Back Panel Mount
- Finger Safe Terminals
- Size: 22.5mm (width)



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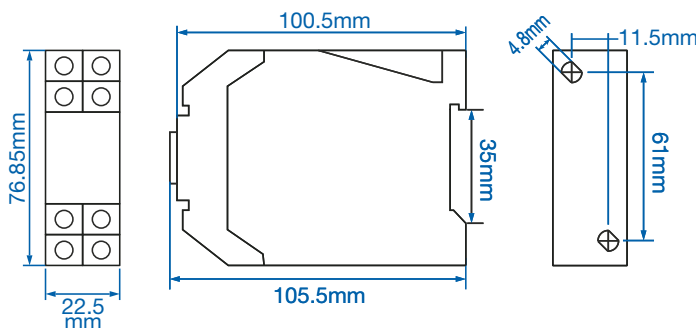
800XU

Display	
Display Type	7 Segment LED Display
Digits	N/A
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	20-240V AC (50/60Hz) and 12-240V DC
Input specification	
Reset	On interruption of power; Reset time <100m sec
Output Specification	
Main Output	DPDT -2 C/O - 5A @ 230V AC / 24 V DC, resistive
Functional Specification	
Modes	ON delay/interval
Time Ranges	0-1 sec/min/hr / 0-3 sec/min/hr / 0-10 sec/min/hr / 0-30 sec/min/hr
Power Consumption	3.2VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	100 grams (.22 lbs)
Protection Level	-

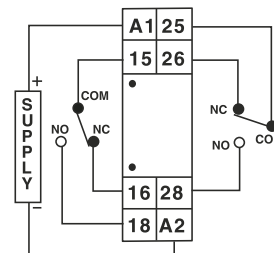
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cULus
800XU-CU	20 - 240V AC; 12 - 240V DC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



! See pages 42-43 for timing diagrams.

TIMING

Analog Cycle Timer, DPDT 22mm DIN Rail

TIMING

FEATURES

- Cyclic with Unequal ON and OFF Time
- 6 Time Ranges, Seconds/Minutes/Hours
- Universal Supply Voltage
- DIN Rail / Back Panel Mount
- Finger Safe Terminals
- Size: 22.5mm (width)



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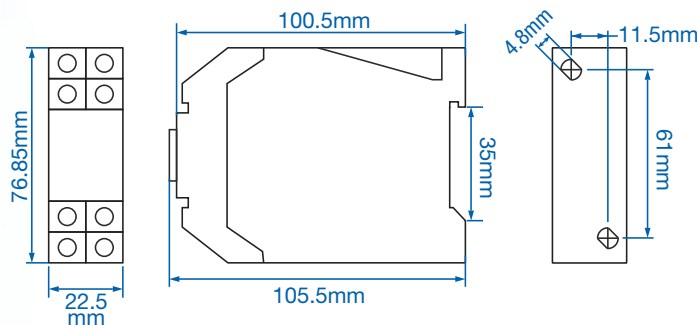
800XC

Display	
Display Type	7 Segment LED Display
Digits	N/A
LED Indication	LED 1: Power On, LED 2: Relay On
Supply Specification	
Input Voltage	20-240V AC (50/60Hz) and 12-240V DC
Input specification	
Reset	On interruption of power; Reset time <100m sec
Output Specification	
Main Output	DPDT -2 C/O - 5A @ 230V AC / 24 V DC, resistive
Functional Specification	
Modes	Cyclic ON first or OFF first
Time Ranges	0-1 sec/min/hr (On time) / 0-10 sec/min/hr (ON time) / 0-1 sec/min/hr (OFF time) / 0-10 sec/min/hr (OFF time)
Power Consumption	2VA max
Accuracy	
Timer	Setting +/-5% of Full Scale Repeat +/-0.5% or 50m sec.
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	110 grams (.242 lbs)
Protection Level	-

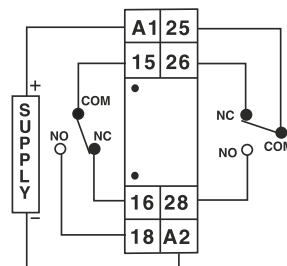
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL US
800XC-CU	20 - 240V AC; 12 - 240V DC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



! See pages 42-43 for timing diagrams.