

# TIME RELAYS - GAMMA SERIES

## FUNCTIONS



## TIMER MODELS



Model	G2ZMF11 24-240VAC/DC	G2ZMF11 **	G2ZM20
Functions	E, R, Es, Bi, Bp, Wa, Ws, Wu	E, R, Es, Bi, Bp, Wa, Ws, Wu	E, R, Es, Bi, Bp, Wa, Ws, Wu
Contacts	2 C/O Timed & Instantaneous	2 C/O Timed & Instantaneous	2 C/O Timed
Voltage	24 - 240VAC/DC	12 - 440VAC Select TR2 Voltage Module	12 - 240VAC/DC
Time Range	50 msec - 30 days 16 ranges	50 msec - 30 days 16 ranges	50 msec - 100 hours 7 ranges
Remote Pot (Model R2) Connection	Yes	Yes	No
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	<b>\$298.19</b>	<b>\$258.92</b>	<b>\$196.02</b>

\*\* Please Note: TR2 Voltage Module needs to be selected for model with \*\* and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

# TIME RELAYS - GAMMA SERIES

## FUNCTIONS



## TIMER MODELS

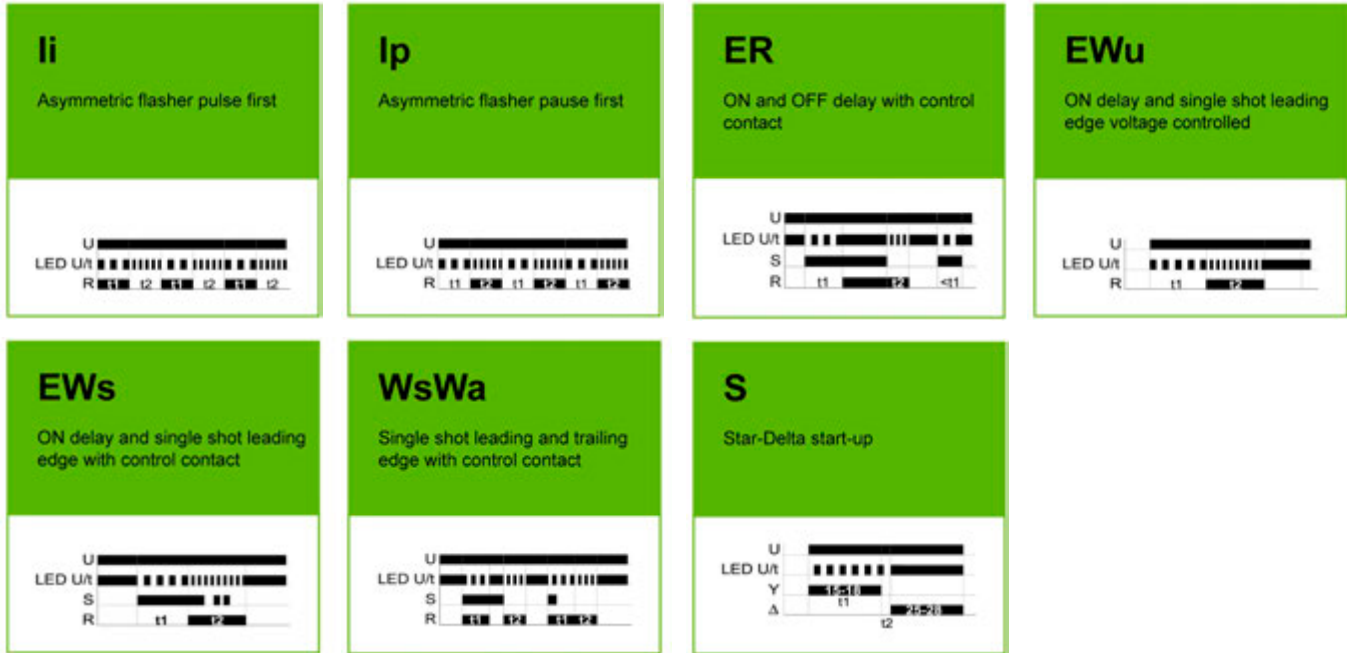


Model	G2ZIF20 24-240VAC/DC	G2ZIF20 **	R2
Function(s)	li, lp, ER, EWu, EWs, WsWa, Wt	li, lp, ER, EWu, EWs, WsWa, Wt	
Type	<b>Cycling Timer</b>	<b>Cycling Timer</b>	<b>Panel Mounted Potentiometer</b>
Contacts/Ohms	2 C/O Timed	2 C/O Timed	1M $\Omega$
Voltage/IP Rating	24 - 240VAC/DC	12 - 440VAC	IP64
	Select TR2 Voltage Module		
Time Range	50 msec - 10 hours	50 msec - 10 hours	
	10 ranges	10 ranges	
Remote Pot (Model R2)	Yes	Yes	
Use with Frequency Converters	Yes	Yes	
Size	22.5mm wide	22.5mm wide	22.5mm $\varnothing$
List Price	<b>\$302.57</b>	<b>\$274.92</b>	<b>\$62.56</b>

\*\* Please Note: TR2 Voltage Module needs to be selected for model with \*\* and is fitted before dispatch. The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

# TIME RELAYS - GAMMA SERIES

## FUNCTIONS



## TIMER MODELS

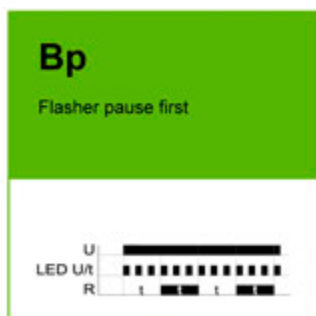
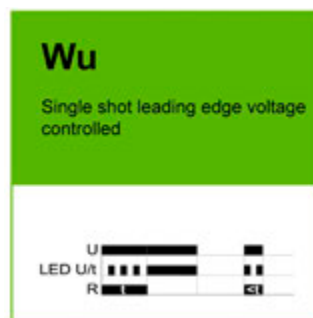
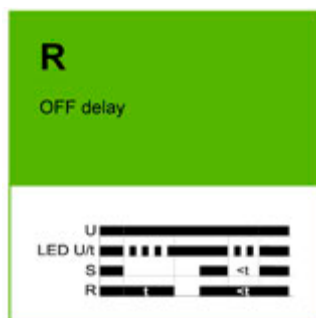
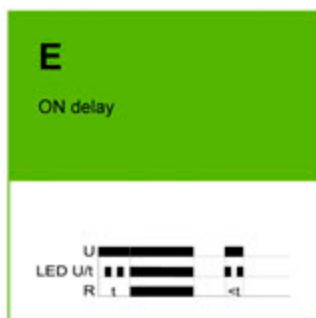


Model	G2Z120	G2ZS20
Functions	li, lp, ER, EWu, EWs, WsWa	Star/Delta Timer
Type	Cycling Timer	
Contacts	2 C/O Timed	2 C/O Timed
Voltage	12 - 240VAC/DC	12 - 400VAC Select TR2 Voltage Module
Time Range	50 msec - 100 hours 7 ranges	Time Y - 500ms to 3min Time Yör - 40ms to 100ms
Suitable for Frequency Converters	Yes	Yes
Size	22.5mm wide	22.5mm wide
List Price	<b>\$201.02</b>	<b>\$256.95</b>

\*\* Please Note: TR2 Voltage Module needs to be selected for model with \*\* and is fitted before dispatch.  
The List Price above includes the TR2 Module. All TR2 Voltage Modules are listed in the Accessories Section.

# TIME RELAYS - VEO SERIES

## FUNCTIONS



## TIMER MODELS

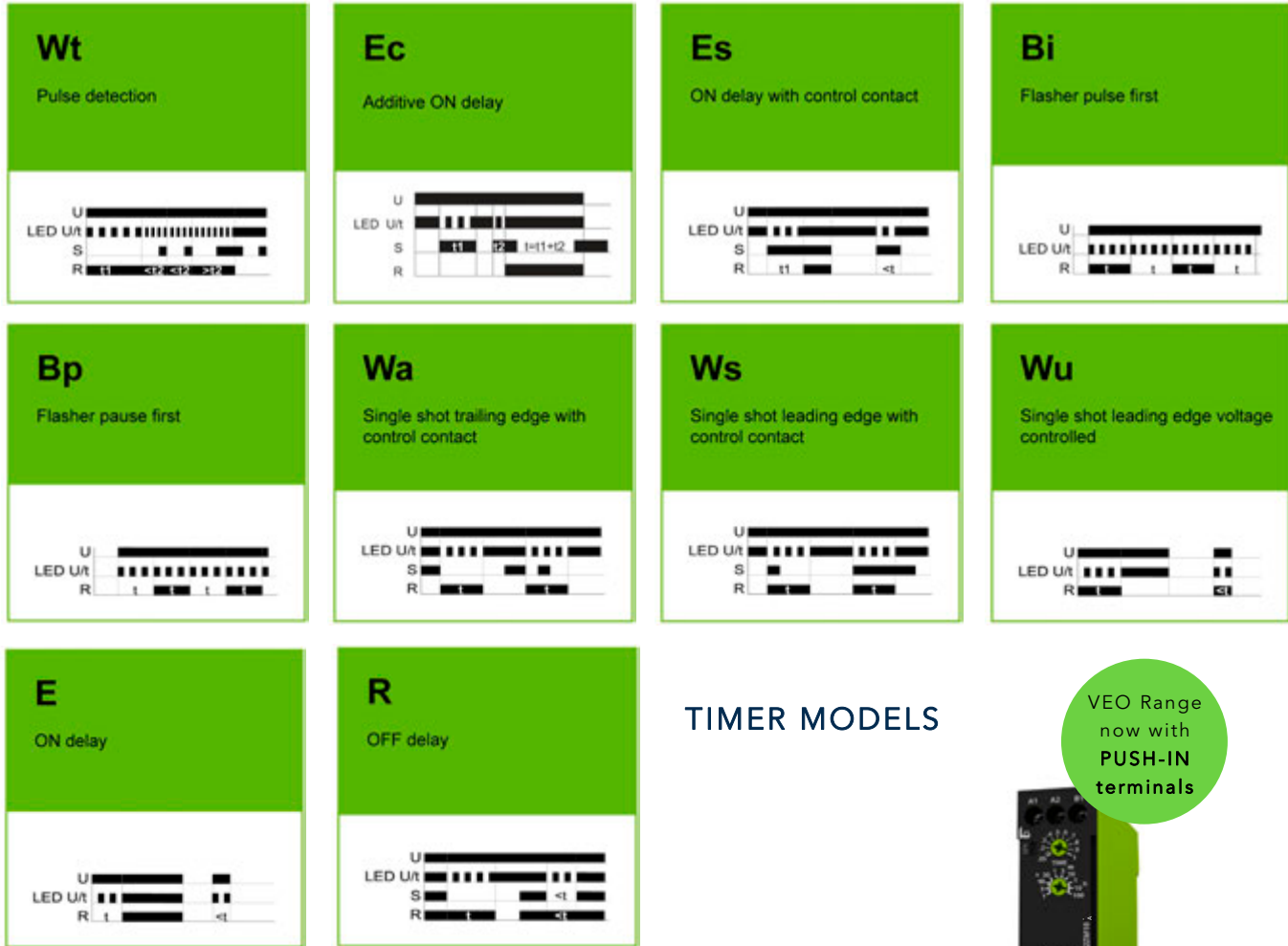


VEO Range  
now with  
**PUSH-IN**  
terminals

Model	V2ZE10	V2ZR10	V2ZQ10
Model PUSH-IN Type			V2ZQ10P
Functions	ON Delay Timer (E)	OFF Delay Timer (R)	E, R, Wu, Bp
Contacts	1 C/O Timed	1 C/O Timed	1 C/O Timed
Voltage	24 - 240VAC/DC	24 - 240VAC/DC	24 - 240VAC/DC
Time Range	50 msec - 100 hours	50 msec - 100 hours	50 msec - 100 hours
	10 ranges	10 ranges	10 ranges
Response Time	150ms	150ms	150ms
Operating Temperature	-25 - +60 °C	-25 - +60 °C	-25 - +60 °C
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	<b>\$110.86</b>	<b>\$116.85</b>	<b>\$137.83</b>

# TIME RELAYS - VEO SERIES

## FUNCTIONS



## TIMER MODELS

VEO Range  
now with  
**PUSH-IN**  
terminals



Model	V2ZM10	V2ZM10-A
Model PUSH-IN Type	V2ZM10P	
Functions	Wt, Ec, Es, Bi, Bp, Wa, Ws, Wu, E, R	Wt, Ec, Es, Bi, Bp, Ws, Wa, E, R, EWu (not shown)
Contacts	1 C/O Timed	1 C/O Timed
Voltage	12 - 240VAC/DC	12 - 240VAC/DC
Time Range	50 msec - 100 hours - 10 ranges	50 msec - 100 hours - 10 ranges
Response Time	150ms	150ms
Operating Temperature	-25 - +60 °C	-25 - +60 °C
Suitable for Frequency Converters	Yes	Yes
Size	22.5mm wide	22.5mm wide
List Price	<b>\$173.82</b>	<b>\$173.82</b>

# TIME RELAYS - VEO SERIES

## FUNCTIONS



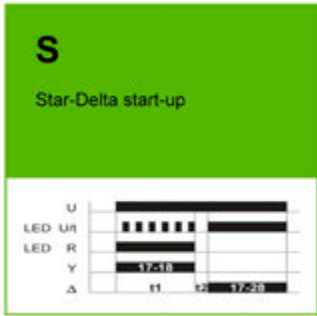
## TIMER MODELS



Model	V2Z110	V2ZA10	V2ZS20
Model PUSH-IN Type	V2ZI10P		
Functions	li, lp	E, A, nWa, nWu, nWuWa	Star/Delta Timer (S)
Contacts	1 C/O Timed	1 C/O Timed	2 N/O Contacts
Voltage	12 - 240VAC/DC	24 - 240VAC/DC	12 - 240VAC/DC
Time Range	50 msec - 100 hours	100 msec - 3 min	Time Y - 50 msec to 3min
Features	10 ranges	4 ranges (no Aux)	Time Y→Δ - 40ms to 100ms
Response Time	150ms	150ms	150ms
Operating Temperature	-25 - +60 °C	-25 - +60 °C	-25 - +60 °C
Suitable for Frequency Converters	Yes	Yes	Yes
Size	22.5mm wide	22.5mm wide	22.5mm wide
List Price	<b>\$187.69</b>	<b>\$257.30</b>	<b>\$169.52</b>

# TIME RELAYS - VEO SERIES

## FUNCTIONS



## TIMER MODELS



<b>Model</b>	<b>V2ZS20-E</b>
Functions	Star/Delta Timer (S)
Contacts	2 N/O Contacts
Voltage	12 - 240VAC/DC
Time Range	Time Y - 3sec to 1min
Response Time	150ms
Operating Temperature	-25 - +60 °C
Suitable for Frequency Converters	Yes
Size	22.5mm wide
<b>List Price</b>	<b>\$113.46</b>

# TIME RELAYS - ENYA SERIES

## FUNCTIONS



## TIMER MODELS

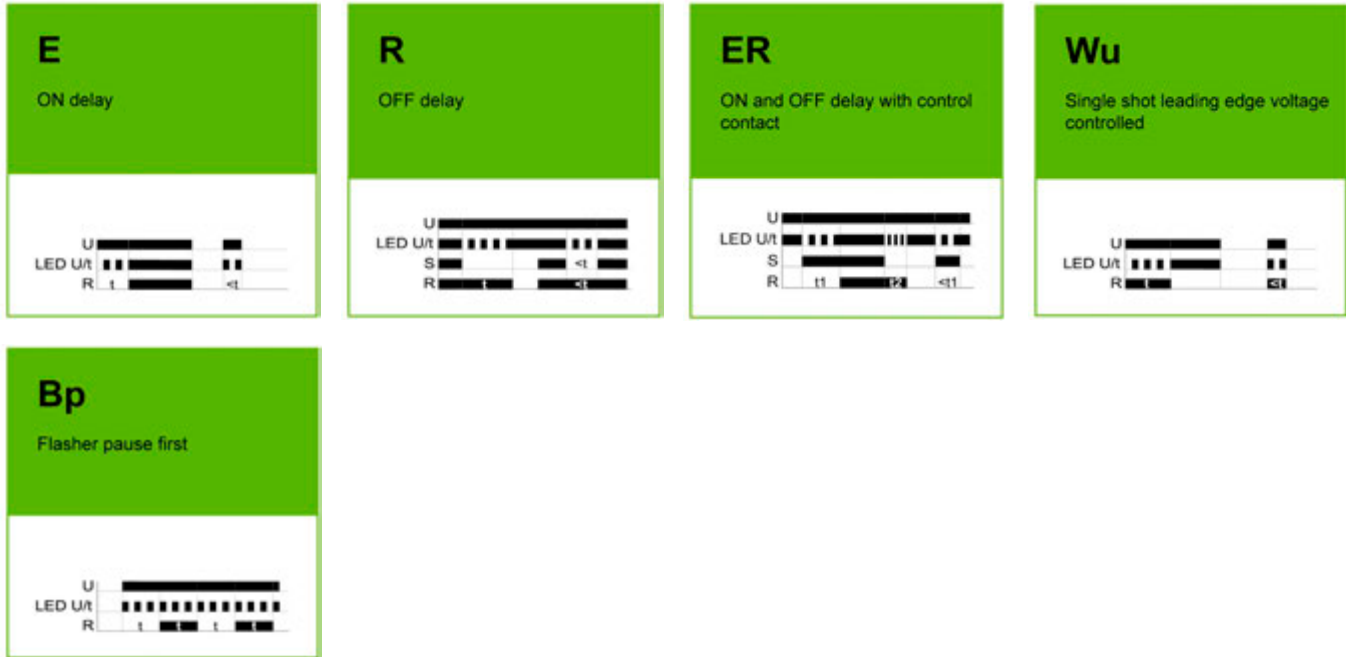


Model	E1ZM10 12-240V	E1ZM10 24-240V	E3ZM20
Functions	E, R, Es, Wu, Bp, Wa, Ws	E, R, Es, Wu, Bp, Wa, Ws	E, R, Es, Wu, Bp, Wa, Ws
Voltage	12 - 240VAC/DC	24 - 240VAC/DC	12 - 240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed	2 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)
Time Range	50 msec - 100 hours	50 msec - 100 hours	50 msec - 100 hours
	7 ranges	7 ranges	7 ranges
Overvoltage Category	III (IEC 60664-1)	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV	4kV
Suitable for Frequency Converters	No	No	No
Size	17.5mm wide	17.5mm wide	35mm wide
List Price	<b>\$151.14</b>	<b>\$130.34</b>	<b>\$210.77</b>



# TIME RELAYS - ENYA SERIES

## FUNCTIONS



## TIMER MODELS



Model	<b>E1ZMQ10</b>	<b>E1Z1E10</b>	<b>E1Z1ER10</b>
Functions	E, R, Wu, Bp	ON Delay Timer - E	ON & OFF Delay with Control - ER
Voltage	24 - 240VAC/DC	24 - 240VAC/DC	24 - 240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed	1 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)
Time Range	50 msec - 100 hours	50 msec - 100 hours	50 msec - 100 hours
	7 ranges	7 ranges	7 ranges
Overtoltage Category	III (IEC 60664-1)	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV	4kV
Suitable for Frequency Converters	No	No	No
Size	17.5mm wide	17.5mm wide	17.5mm wide
List Price	<b>\$99.83</b>	<b>\$94.30</b>	<b>\$107.23</b>

# TIME RELAYS - ENYA SERIES

## FUNCTIONS



## TIMER MODELS



Model	E1ZMW10	E1ZMWt10
Functions	E, R, WsWa, Wu, Wa, Ws, Wt	E, R, Ws, Wa, Wtf, Wto, Wt
Voltage	24 - 240VAC/DC	24 - 240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)
Time Range	50 msec - 100 hours	50 msec - 100 hours
	7 ranges	7 ranges
Overvoltage Category	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV
Suitable for Frequency Converters	No	No
Size	17.5mm wide	17.5mm wide
List Price	<b>\$151.14</b>	<b>\$160.06</b>

# TIME RELAYS - ENYA SERIES

## FUNCTIONS



## TIMER MODELS



Model	E1Z1R10	E1Z110	E3Z120
Functions	OFF Delay Timer - R	li, lp	li, lp, ER, Ewu, Ews, WsWa, Wt
Voltage	24 - 240VAC/DC	12 - 240VAC/DC	12 - 240VAC/DC
Contacts	1 C/O Timed	1 C/O Timed	2 C/O Timed
Contact Rating	2000VA (8A - 250VAC)	2000VA (8A - 250VAC)	2000V (8A - 250VAC)
Time Range	50 msec - 100 hours 7 ranges	50 msec - 100 hours 7 ranges	50 msec - 100 hours 7 ranges
Oversoltage Category	III (IEC 60664-1)	III (IEC 60664-1)	III (IEC 60664-1)
Rated Surge Voltage	4kV	4kV	4kV
Suitable for Frequency Converters	No	No	No
Size	17.5mm wide	17.5mm wide	35mm wide
List Price	<b>\$94.30</b>	<b>\$151.14</b>	<b>\$233.01</b>

# TIME RELAYS - KAPPA SERIES

## FUNCTIONS



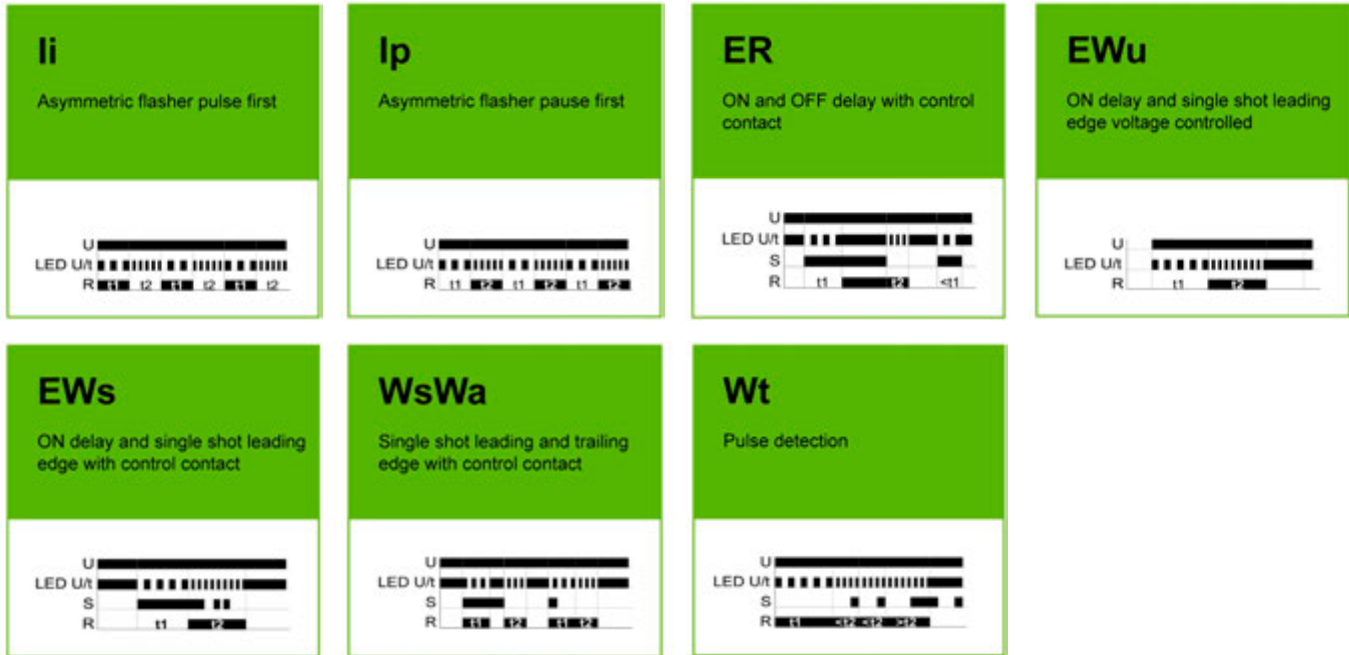
## TIMER MODELS



Model	R11X	K3ZM20
Functions	11 Pin Base	E, R, Es, Wu, Bp, Wa, Ws
Voltage	300VAC	12 - 240VAC/DC
Contacts / Application	Panel / DIN Mount	2 C/O Timed
Contact Rating		2000VA (8A - 250VAC)
Time Range		50 msec - 100 hours 7 ranges
Overvoltage Category		III (IEC 60664-1)
Rated Surge Voltage		4kV
Suitable for Frequency Converters		No
Size	38mm wide	38mm wide
List Price	<b>\$12.36</b>	<b>\$201.46</b>

# TIME RELAYS - KAPPA SERIES

## FUNCTIONS



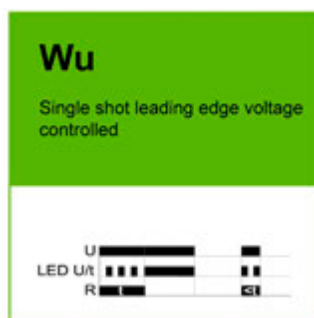
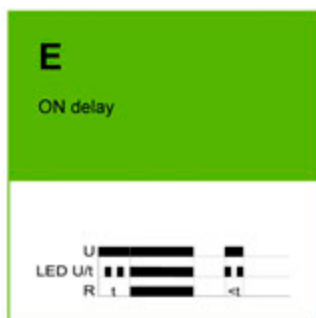
## TIMER MODELS



Model	R11X	K3ZI20
Functions	11 Pin Base	li, lp, ER, Ewu, Ews, WsWa, Wt
Voltage	300VAC	12 - 240VAC/DC
Contacts / Application	Panel / DIN Mount	2 C/O Timed
Contact Rating		2000V (8A - 250VAC)
Time Range		50 msec - 100 hours 7 ranges
Overvoltage Category		III (IEC 60664-1)
Rated Surge Voltage		4kV
Suitable for Frequency Converters		No
Size	38mm wide	38mm wide
List Price	<b>\$12.36</b>	<b>\$201.46</b>

# TIME RELAYS - RONDO SERIES

## FUNCTIONS



## TIMER MODELS



Model	SRE2-10S	SRE2-1M	SRW2-10S
Functions	ON Delay Timer - E	ON Delay Timer - E	Wu
Voltage	24VDC	24VDC	24VDC
Contacts	Transistor Switching	Transistor Switching	Transistor Switching
Contact Rating	6W (200mA/30V)	6W (200mA/30V)	6W (200mA/30V)
Time Range	1s - 10s	6s - 1min	1s - 10s
Overvoltage Category	III (IEC 60664-1)	III (IEC 60664-1)	III (IEC 60664-1)
IP Rating	IP64	IP64	IP64
Rated Surge Voltage	4kV	4kV	4kV
Suitable for Frequency Converters	No	No	No
Size	22.5mm Hole	22.5mm Hole	22.5mm Hole
List Price	<b>\$108.86</b>	<b>\$118.88</b>	<b>\$129.39</b>

# TIME RELAYS - COMBI SERIES

## FUNCTIONS



## TIMER MODELS



Model	ES9	ES12	Com3T
Functions	8 Pin Octal Base	11 Pin Octal Base	E, R, Es, Bi, Bp, Wa, Ws, Wu
Voltage	300VAC	300VAC	24 - 240VAC/DC
Contacts	2 C/O Timed	3 C/O Timed	
Contact Rating	Up to 10A with suitable Relay	Up to 10A with suitable Relay	Up to 10A with suitable Relay
Time Range			50 msec - 10 days 8 ranges
Suitable for Frequency Converters			No
Size	38mm wide	38mm wide	38mm wide
List Price	\$17.02	\$17.02	\$96.00

Please Note: The ES9 Base is suitable with any 8 Pin Octal Relay and the ES12 is suitable for any 11 Pin Octal Relay. Please contact us for options available.

# TIME RELAYS - FRONT SERIES

## FUNCTIONS



## TIMER MODELS



Model	TVC11	FSM10/24VAC/DC	FSM10/110-240VAC
Functions	11 Pin Octal Base	E, R, Es, Bi, Wu, Bp, Wa, Ws	E, R, Es, Bi, Wu, Bp, Wa, Ws
Voltage	300VAC	24VAC/DC	110 - 240VAC
Contacts/Application	Panel Mounting	1 C/O Timed	1 C/O Timed
Contact Rating		1250VA (5A - 250VAC)	1250VA (5A - 250VAC)
Time Range		1 msec - 1000 hours 8 ranges	1 msec - 1000 hours 8 ranges
Display		LCD	LCD
Indicators		Relay Status, Reset, Lock	Relay Status, Reset, Lock
Suitable for Frequency Converters		No	No
Size	45mm wide	45mm wide	45mm wide
List Price	<b>\$15.01</b>	<b>\$457.58</b>	<b>\$457.58</b>

Please Note: For DIN Rail Mounting of the FSM product range we recommend the R11X 11 Pin Octal Base.