



DTR-20S/TS **Modbus RS-485 COMMUNICATION** **Astronomic Time Relays**

- Automatic sunset and sunrise calculation
- Automatic DST (Daylight Saving Time) switching
- Programming based on city name and geographical coordinates
- 2 relay outputs (16A)
- 32 programs, and precise timing
- 24/7 relay programming
- Vacation mode
- Backlight Display
- Password Protection

With DTR PROG configuration software, all parameters can be set easily and quickly in computer environment. After loading the configuration on the DTR-IR PROG device, these settings can be remotely transferred to multiple DTR-20M devices instantly with IR (Infrared).

Best for road lighting, street lighting, garden watering, park lighting.



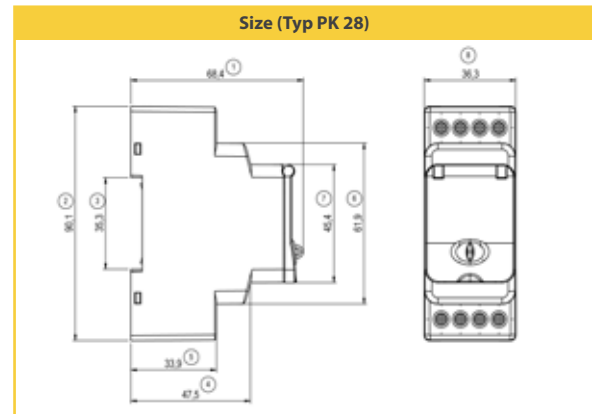
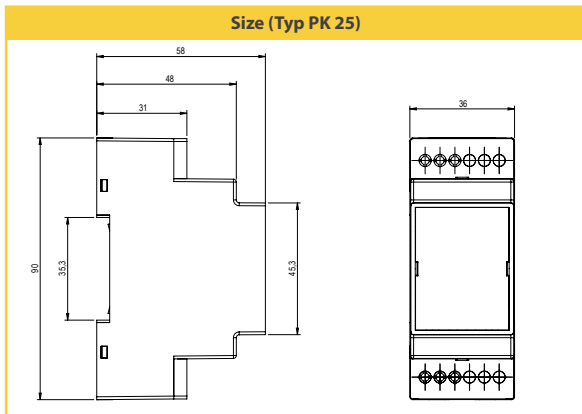
BASIC FUNCTION OF ASTRONOMICAL TIMER

Product Code

		Data Transfer	Programmable Prayer Time	24h Time Programming	Geographical Coordinate Programming (Astronomic)	Photocell Sensor Input	15 Programs	32 Programs	1 Relay Output	2 Relay Output	Year Battery Life (Years)	Pcs / Box
DTR-20S	Astronomic Time Relay (COMMUNICATION)	RS-485		•	•			•		•	10	16
DTR-20TS	Astronomic Time Relay (COMMUNICATION)	RS-485		•	•			•	•		10	16
DTR-10	Astronomic Time Relay			•	•		•			•	10	16
DTR-10t	Astronomic Time Relay			•	•		•		•		10	16
DTR-14	Astronomic Time Relay			•	•	•	•			•	3	16
DTR-20	Astronomic Time Relay (External Memory)	PROG		•	•			•		•	10	16
DTR-20M	Astronomic Time Relay (IR Programming)	IR		•	•			•		•	10	16
DTR-25	Astronomic Time Relay		•	•	•			•		•	10	16
MCB-50	Electronic Timer, 32 Programs			•				•		•	10	16
MCB-50t	Electronic Timer, 32 Programs			•				•	•		10	16

SPECIFICATIONS

	DTR-14	DTR-10/25 MCB-50	DTR-10t/ MCB-50t	DTR-20	DTR-20M	DTR-20S	DTR-20TS
ENCLOSURE							
Dimensions	PK25			PK28		PK25	PK28
Protection Class	IP20						
Weight	0,2kg						
Display	1.3"LCD						
SUPPLY							
Operating Voltage Range	230 VAC						
Operating Frequency	50/60 Hz						
Operating Range	190-260- VAC					85-265 VAC	
Power Consumption	<3VA	<10VA			<3VA		
INPUT / OUTPUT / SETTINGS							
Output Contact	2CO 8A 250 VAC 2000VA	2CO 16A 250VAC 4000VA	1CO 16A 250VAC 4000VA	2CO 16A 250 VAC 4000VA		1 CO 16A 250 VAC 4000VA	
Refresh Time	60 s.			1 s.			
Accuracy	< 1 s./day			<0,5s./day			
Sensor	CdS(Light-sensitive photoresistor)						
Light Intensity	1-3 lux						
AMBIENT CONDITIONS							
Ambient Temperature; Humidity	-10 / +50°C ; % 85						
CONNECTIONS							
Mounting	Rail mounting; Screw Terminals						
Connection Type	Single Phase 2 Wires						



HEADQUARTERS

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