



Digital timing devices / pre-select counter



Clock work timer alternative to mechanical clock work timer			Running hour meter lapsed time counter			Pre select Counter / High frequency monitor display and count a pre-set number of pulses display & monitor frequencies up to 10000Hz					
DIN Rail	Panel Mount		DIN Rail	Panel Mount		DIN Rail	Panel Mount				
72mm wide	48mm x 48mm	48mm x 96mm	72mm wide	48mm x 48mm	48mm x 96mm	72mm wide	48mm x 48mm	48mm x 96mm			
D4-CWT1	P44-CWT1	P49-CWT1	D4-RHM1	P44-RHM1	P49-RHM1	D4-CNT1	P44-CNT1	P49-CNT1			
<p>Starting the cycle operates the relay for the pre-set time period whereafter the relay is released.</p> <p>Unique to this device is its ability to stop the timing during a run cycle, simply connect the auxiliary terminals of the pump's contactor to the device. When the well runs dry and the pump stops, the timer stops. Timing continues when pumping resumes.</p> <p>Additional features include:</p> <ul style="list-style-type: none"> - selectable time range - start timing via front keypad or "START" terminals - Timing duration can be adjusted during a cycle - last timing value automatically memorised (no need to re-program before every cycle) - displays time remaining - continues from where it left off after a power fail (remaining time is NOT reset at power fail) - Keypad lock 			<p>Timer is active as long as power is applied AND the "RUN" terminals are bridged. Once the pre-set number of hours is reached, the relay changes state until manually reset. Intended for use as an alarm to indicate service requirements. Once the service has been performed, the device starts counting towards the next service.</p> <p>Additional features include:</p> <ul style="list-style-type: none"> - total number of hours is also recorded - save status at power fail (device continues from where it left off after power failures) - "RUN" terminals for remote activation - "CLR" terminals re-start timing toward next service - display lapsed timing (hours, minutes & seconds) - reverse relay action to either "OPEN" or "CLOSE" when pre-set setpoint is reached - Keypad lock - if aux terminals are not shorted within 15 seconds of "START", timer stops until AUX terminals are shorted. (if pump is started, and no water after 15 seconds, well is dry) 			<ul style="list-style-type: none"> - relay operates (or gives a pulse) upon reaching the pre-set number of pulses. - reverse relay action to open the contacts when count is reached. - interfaces with NPN photo switches (10-30V 30mA power supply included) - select leading or trailing edge of pulse (when pulse opens or closes) - reset via external pulse or BUILT-IN timer (0.1 - 99.9 seconds after count is reached) - pre-scaler divides pulses automatically (one item = multiple pulses) - post scaler multiplies pulses automatically (multiple items = one pulse) - display lapsed or remaining pulses - selectable save status (after power failure, device can either continue from where it left off or reset) - configurable to monitor frequency of pulses <p>Additional features include:</p> <ul style="list-style-type: none"> - keypad lock - save status at power fail 					
AC: 12V, 24V, 48V, 110V, 240V, 400V, 525V ±15%											
DC (non isolated): 12V or 24V;			DC (isolated): 12V or 24V add + R120;			DC (isolated): 36V - 72V add +R370					
Time duration	see time range		Set point	1hr - 9999 hours		Function	counter / frequency				
Timing range	1min - 99 hours		Clear resettable hour counter	yes / no		Set point	1 - 49999 pulses				
Activate aux terminals	1sec - 99 min		View total number of hours	no changes		Relay output	continuous / pulse				
keypad lock & reduced menu	active / not active		Relay functionality	open / close (relay status after counting)		Reverse relay	open / close (relay status after counting)				
			Reset all parameters (incl total hrs)			Pre-scale (pulses / count)	1 - 200 pulses				
			keypad lock & reduced menu			Post-scale (counts / pulse)	1 - 200				
						Input pulse speed	mechanical / fast				
						Pulse edge (leading / trailing)	close / open				
0.05%											
All parameters are saved to non-volatile EEPROM memory, thus eliminating the need to re-program after a power failure											
10A 250V AC											
incorporates a crystal oscillator to maintain timing accurate timing											
14mm RED	9mm RED & GRN	14mm RED	14mm RED	9mm RED & GRN	14mm RED	14mm RED	9mm RED & GRN	14mm RED			
relay status			relay status			relay status					
						D4-CNT0	R540	P44-CNT0	R600	P49-CNT0	R600
D4-CWT1	R600	P44-CWT1	R600	P49-CWT1	R620	D4-RHM1	R600	P44-RHM1	R600	P49-RHM1	R620
D4-CNT1	R560	P44-CNT1	R620	P49-CNT1	R620						