

QB484 Digital Timer

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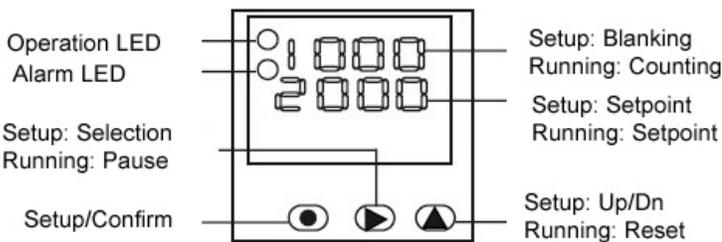
Features

- Support single and double delay
- Up to 24 forms of counting Up/Dn
- 8 digit accumulator
- Relay output
- Memory stay with power out

Specification

- Range: 0.1s ~ 9999 days (24 setups)
- Dual Display
- Single or double delay counting mode
- LED Display: Power (Red/0.56" & 0.36")
- Operating Power: AC85~260V/DC 85V~360V
- Temperature: 0~ +50°C
- Humidity: <<85% RH
- Relay: AC220V/3A
- Relay Life Span: 10^5
- Dimension: 48*48*85(mm), Mounting hole: 45*45(mm)

Panel



Fig(1)

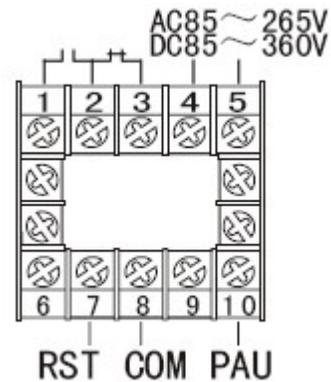
Key setting

To setup the timer, press , use to select an item to for parameters setup. The password (PASS) for the configuration is: **0089**

Since there are 24 different counting formats, the controller has to pick one of those before starting. Doing so, select **P - Sn (P-Sn)**



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Fig(2)

COM: Common

PAU: Pause

RST: Reset

To pause the timer, shorten PAU and COM terminals. Counting resume once PAU and COM terminals opened

To reset the timer, short RST and COM terminals. Counting resume once RST and COM terminals opened

Single Timer			Dual Timer			8 digit counter		
Code	Range(delay or counting)	Type	Code	Range(delay or counting)	Type	Code	Range(delay or counting)	Type
01	0.1s ~ 999.9s	Cnt Dn	11	1s ~ 9999s	Cnt Dn	19	0 ~ 99h59m59.99s	*1
02	1s ~ 9999s	Cnt Dn	12	1s ~ 99m59s	Cnt Dn	20	0 ~ 9999hr59m59s	*1
03	1s ~ 99m59s	Cnt Dn	13	1m ~ 9999m	Cnt Dn	21	0 ~ 9999d23hr59m	*1
04	1m ~ 99hr59m	Cnt Dn	14	1m ~ 99hr59m	Cnt Dn	22	0 ~ 99hr59m59.99s	*2
05	1m ~ 9999m	Cnt Dn	15	1s ~ 9999s	Cnt Up	23	0 ~ 9999hr59m59s	*2
06	0.1s ~ 999.9s	Cnt Up	16	1s ~ 99m59s	Cnt Up	24	0 ~ 9999d23hr59m	*2
07	1s ~ 9999s	Cnt Up	17	1m ~ 9999m	Cnt Up			
08	1s ~ 99m59s	Cnt Up	18	1m ~ 99hr59m	Cnt Up			
09	1m ~ 99hr59m	Cnt Up						
10	1m ~ 9999m	Cnt Up						

Table (1)

*1 Press Reset Button, and password, the counter will reset. The password is "1234" and programmable

*2 Press Reset Button, the counter will reset (no password needed)

Timer and Accumulator Configuration

Single Delay

- Press , enter PASS (0001) for delay setup by using and to roll number up and down.
- Press . Input delay

t	1
X	X
X	X
X	X

 value.
- Press to confirm and exit
- Press , enter PASS (0036) for relay setup. Select

r	-	S	n
			X

 the output mode for the relay:

r	-	S	n
			X

. Press to confirm

Note: See table below for 'X', the relay output mode

Code	Relay output mode
1	Power on with delay initiated. Relay engaged when time is up
2	Power on but without delay initiated. Press Reset button (or short the reset terminal). Delay initiated. Relay engaged when time is up
3	Power on with delay initiated. Relay disengaged when time is up
4	Power on but without delay initiated. Press Reset button (or short the reset terminal). Delay initiated. Relay disengaged when time is up

Table 2

Double Delay setup

- Press , enter PASS (0001) for delay setup by using and to roll number up and down.
- Press

t	1
t	2
- Press to set delay t1

t	1
X	X
X	X
X	X
- Enter t1 and press to confirm

t	2
X	X
X	X
X	X
- Press to select delay t2

t	2
X	X
X	X
X	X
- Enter t2 and press to confirm
- Press and press End to exit

End	
t	1

Code	Relay output mode with dual delay t1,t2
1	Power on and delay t1 is initiated. Relay engaged when delay t1 expired. When delay t2 expired, relay disengaged. The timer repeat this procedure continuously
2	Power on without delay taking place. Press Reset button (or short the reset terminal). Relay engaged when delay t1 expired. Relay disengaged when delay t2 expired. The timer repeat this procedure continuously
3	Power on and delay t1 is initiated. Relay disengaged when delay t1 expired. Relay engaged when delay t2 expired. The timer repeat this procedure continuously
4	Power on and without delay initiated. Press Reset button (or short the reset terminal). Relay disengaged when delay t1 expired. Relay engaged when delay t2 expired. The timer repeat this procedure continuously
5	Power on and delay t1 is initiated. Relay engaged when delay t1 expired. Relay disengaged when delay t2 expired. No repeat.
6	Power on and without delay initiated. Press Reset button (or short the reset terminal). Relay engaged when delay t1 expired. Relay disengaged when delay t2 expired. No repeat.
7	Power on and delay t1 is initiated. Relay disengaged when delay t1 expired. When delay t2 expired, relay engaged. No repeat.
8	Power on and without delay initiated. Press Reset button (or short the reset terminal). Relay disengaged when delay t1 expired. Relay engaged when delay t2 expired. No repeat

Table 3

8 digit accumulator

- Press , enter PASS (0001) for setup
- Using  and  to roll number up and down



- Press 
- Using  and  to roll up and down to set ceiling value.

Press  to confirm and exit

Relay output setting:

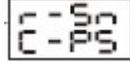
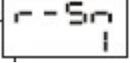
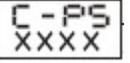
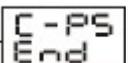
- Press , enter PASS (0036) for delay setup by using  and  to roll number up and down.
- Press  to confirm
- Scroll to  and select . See table 4 to select prefer relay output
- Press  to confirm
- Press  to select  to set password
- Press  to end with 
-

Fig (9) Relay Output code

Code	Relay output mode
1	Power on and starting counting. Relay engaged once set value is reached
2	Power on and starting counting. Relay disengaged once set value is reached
3	Power on but no counting initiated. Press Reset button or short RST & COM to start Press Reset button or short RST & COM to reset to 0 Relay engaged once the set value is reached
4	Power on but no counting initiated. Press Reset button or short RST & COM to start Press Reset button or short RST & COM to reset to 0 Relay disengaged once the set value is reached

Table 4