

Models AT411E-L-X

ACCUMULATING TIMER

FOR VACUUMS AND BAYS



The IDX AT411E series of accumulating timers can be used in vacuums or bays. This series of timers can operate either on 120VAC or 24VAC and switch out either voltage. Operators can field adjust time and or coins to start.

The Model AT411E-L has an Aux. Output that turns on the last 32 seconds of time. This continuous 20mA max. output will operate a horn or lamp that is the same voltage as the load.

The Model AT411E-X "X-Tra Time" allows your customer to complete his desired vacuum or wash cycle. At the end of the cycle, an output turns on. Now the customer has 20 seconds to deposit one or more coins to continue. This 20mA max. output will operate a horn or lamp that is the same voltage as the load.

If no coins are deposited before the "X-Tra Time" period expires, the AT411E-X timer resets and the defined number of coins to start must be deposited, which starts a new cycle.

FEATURES

- OPERATE WITH 120VAC or 24VAC POWER
- TWO (2) HEAVY DUTY 25 AMP SCR OUTPUTS
- 1 TO 15 COINS TO START
- ACCEPTS 256 COIN INPUTS WITHOUT RESETTING
- SELECT COIN TIME FROM 2 SECOND TO 8.5 MINUTES PER COIN

OPTIONAL MODELS

- AT411E-L: LAST COIN ALERT STARTS AT THE LAST 32 SECONDS
- AT411E-X: "X-Tra Time" 20 SECONDS CONTINUATION TO ADD 1 or MORE COIN TO START TIMER AGAIN
- AT411E-N: TIMER DOES NOT RESET WHEN COIN INPUT IS HELD (USED WITH COIN SLIDES)
- AT411E-R: REMOTE RESET
- AT411E-1: NON-ACCUMULATING BEYOND PRESET COIN INPUT

AT411 WIRING

SWITCH SETTINGS

COINS TO START

ON ---▶

- 1
- 2
- 4
- 8

TO SET THE NUMBER OF COINS TO START, PUSH COIN SWITCHES TO THE RIGHT. TO ADD UP TOTAL NUMBER OF COINS NEEDED TO START. EXAMPLE: 5 COINS TO START. PUSH TO THE RIGHT THE #1 SWITCH AND #4 SWITCH FOR A TOTAL OF 5 COINS TO START.

SECONDS PER COIN

ON ---▶

- 2
- 4
- 8
- 16
- 32
- 64
- 128
- 256

AT411E IS AN ACCUMULATING TIMER. TO SET TIME, DIVIDE TOTAL TIME BY THE TOTAL NUMBER OF COINS TO START. PUSH THE CORRECT SWITCHES TO THE RIGHT. EXAMPLE: \$1.25 TO START FOR 4 MINUTES. 5 COINS DIVIDED INTO 240 SECONDS (4 MIN.) EQUALS 48 SECONDS PER COIN. PUSH TO THE RIGHT THE #16 SECOND SWITCH AND THE #32 SECOND SWITCH FOR A TOTAL OF 48 SECONDS PER COIN.

AT411 TIMER CONNECTIONS

JUMPER TERMINAL #1 TO #5 FOR 120VAC LOAD
#2 TO #5 FOR 24VAC LOAD

TERMINAL #1	120VAC POWER IN
TERMINAL #2	24VAC POWER IN
TERMINAL #3	POWER COMMON
TERMINAL #4	EARTH GROUND
TERMINAL #5	INPUT FOR OUTPUT POWER
TERMINAL #6	OUTPUT LOAD 25A, 24/120VAC
TERMINAL #7	COIN SWITCH WIRE (RED/GREEN OR BLUE)
TERMINAL #8	XEPTOR® COMMON WIRE (BLACK AND/OR RED/GREEN)
TERMINAL #9	X-Tra Time LAMP - LAST COIN LAMP OR HORN

CONNECT 24VAC LAMP OR HORN BETWEEN
TERMINAL #9 & #2 (MAX OUTPUT 20mA)

CONNECT 120VAC LAMP OR HORN BETWEEN
TERMINAL #9 & #1 (MAX OUTPUT 20mA)

CONNECT LOAD BETWEEN TERMINAL #6 AND
POWER COMMON TERMINAL #3

AT411 OPTIONS

-X = X-Tra Time

-L = LAST COIN ALERT

-N = NON-RESETTABLE BY COIN INPUT

-R = REMOTE RESET

-1 = NON-ACCUMULATINGRE COIN ACCEPTORS

FOR 24VAC OPERATION ACCEPTOR CONNECTIONS

3 WIRE COIN ACCEPTORS MA711 / MA611 / X10AW / ETC.

ACCEPTOR	AT411
YELLOW WIRE	TERMINAL #2
BLACK WIRE	TERMINAL #8 OR #3
BLUE WIRE	TERMINAL #7

4 WIRE COIN ACCEPTORS MA601 / MA800 / X10CR / ETC.

ACCEPTOR	AT411
YELLOW WIRE	TERMINAL #2
BLACK WIRE	TERMINAL #8 OR #3
RED/GREEN WIRE	TERMINAL #8 OR #3
RED/GREEN WIRE	TERMINAL #7