

CT10F

series

**COIN
OPERATED
TIME
SWITCHES**

**CT10F DESIGNATES: COIN TIMER SERIES 10
ELECTRONICALLY OPERATED WITH FLEXIBLE PROGRAMS**
Series 10 refers to those units using separate moulded interior mechanism, with an all enclosing metal cover incorporating top coin entry.

TECHNICAL & SERVICE DETAILS

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Installation Instructions for COIN OPERATED TIME SWITCH

DESCRIPTION

Abberfield Industries coin time switch model CT10F is a general purpose controller of electrical circuits, based on coin insertion for a timed operation.

Contains coin validation, timer and cash collection in a wall mounted secure housing. Secure metal housing, safe double insulated internals, mechanically and electrically protected. Fixed or flexible wiring, surface or concealed.

For full details refer to specifications data on www.abberfield.com.au

INSTALLATION

This equipment should be secured firmly to reduce risk of unauthorised entry. Do not install equipment so that key side is closer than 150 mm to any adjoining unit or to other obstruction. Also an allowance of 50 mm between hinge side of cover and any obstruction should be made. This allows room for removal of cover. Do not over-tighten interior mounting screws as this may distort the coin track.

COIN CLEARANCE

When opening equipment for clearance, depress the lock side of cover to release tension on lock mechanism. Avoid over filling of coin tray as this may cause the equipment to "shut down".

KEY NUMBER

The key number imprinted on the key should be recorded. Replacement keys may be available on request.

ELECTRICAL

CT10F coin timers are wired to switch the active wire only and are rated at 25 amps capacity. After installation, check that active and neutral wires have not been reversed. Double insulation leads should be used and firmly secured with the cable clamp. If installed as a low voltage coin timer, use a large conductor size to minimise voltage drops.



A – ACTIVE
N – NEUTRAL
L – LOAD
E – EARTH

CT10F - 25 amp rated.
CT10F-PR 45 amp rated.

MODEL CT10F-PR is 45 amp capacity.

VOLTAGE

Units are available for standard 240V or 12V low voltage.

OPERATING INSTRUCTIONS

Thumb wheel switches and a toggle switch are in the lower right corner of the mechanism. Also a light above the toggle switch flashes during the operating time.

Toggle Switch Down: First coin will start the time (additional coins can be inserted to increase the time). Thumb-wheel switches will set the time in minutes per coin. (from 1 to 999 minutes).

Example 1: Thumb-wheel setting 015 = 15 minutes per coin.

Example 2: Thumb-wheel setting 115 = 115 minutes per coin.

Toggle Switch Up: First thumb-wheel switch sets the number of coins to be inserted before timer starts. Second and third thumb-wheel switch sets the time per coin in minutes (from 1 to 99 minutes).
Example: Thumb-wheel setting 230 = two coins start for 30 minutes per coin = 1 hour operating time.

NOTE

This equipment will retain memory of time in credit during a power failure. If this stored time credit is to be cancelled change any of the thumb-wheel switches and then reset the switch to the required operating time. Alternatively, place a coin against the moulded interior, underneath the coin sensor at the bottom end of the coin track and slide the coin up. This will look like a coin on a string being pulled backwards and will cause the timer to cancel all credit.

INSIDE EACH CT10 SERIES COIN OPERATED TIME SWITCH COVER ARE THE FOLLOWING INSTALLATION INSTRUCTIONS.

DRILLING TEMPLATE

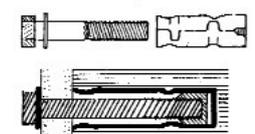
ABBERFIELD INDUSTRIES
SERIES 10 COIN EQUIPMENT

1. Mount this template Square, drilling holes in each corner.
2. If using recommended fasteners drill wall with 12mm (1/2") masonry drill to a depth of 40mm (1 1/2").
3. Ensure holes remain on centre and correct errors if necessary. Fit washers to bolts and press through each mounting plate hole.
4. Screw fasteners on loosely.
5. Engage fasteners in holes and press back plate into position. If necessary tap head of bolts with a hammer to ensure fasteners are fully depressed.
6. Lightly tighten back plate bolts.
7. If necessary tap edge of back plate with a hammer to ensure the plate is square.
8. Tighten bolts.

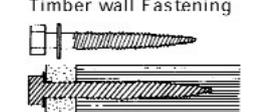
NOTE: INSTALLATION INSTRUCTIONS ON LABEL INSIDE EQUIPMENT



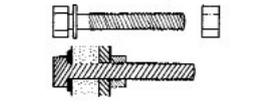
Masonry Fastening
Recommended Fastener (Loxen)
Alternate-Expander Bolt



Timber wall Fastening

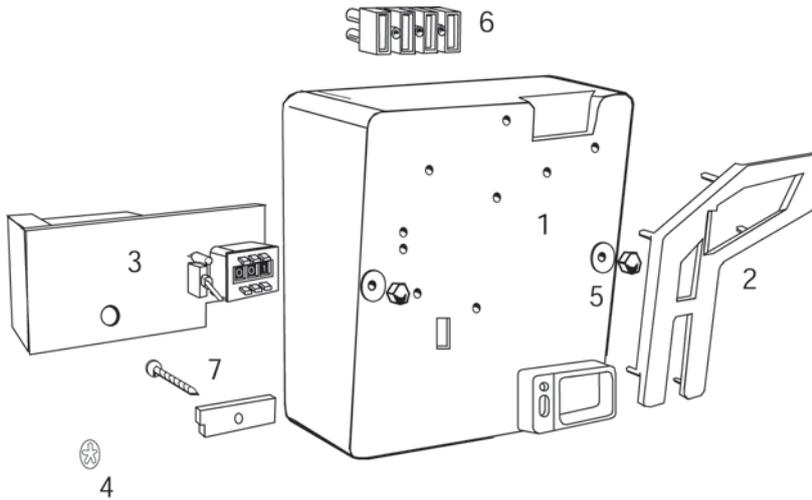


Panel Mounting Fastening



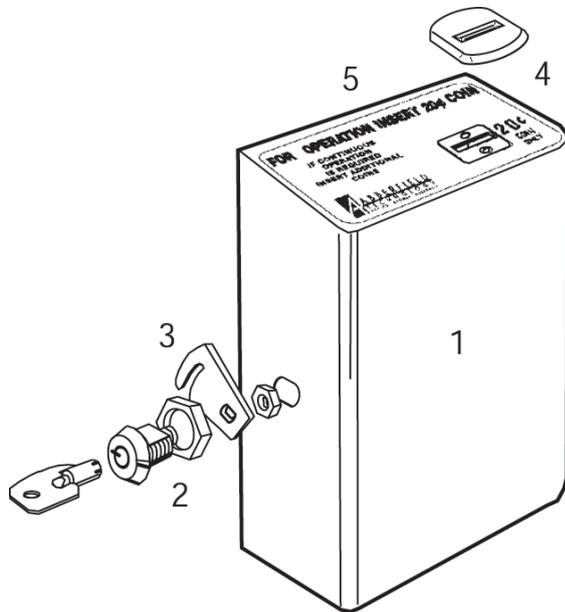
MOUNTING

Supplied with each CT10 series coin operated time switch is a printed, cardboard drilling template, (shown above - not to scale).



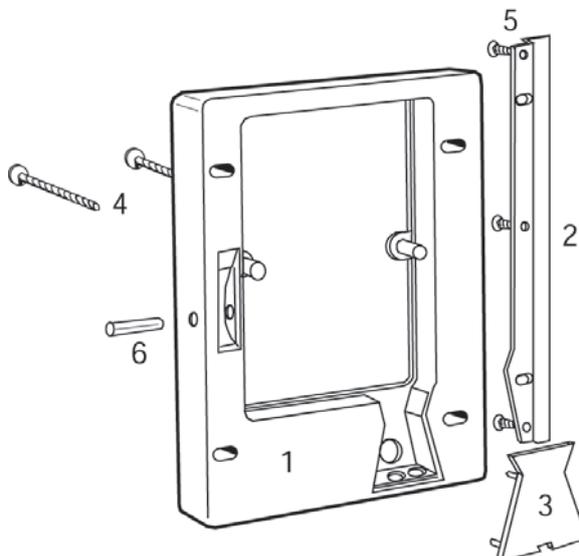
CT10F SERIES INTERIOR

1. CT10F Interior moulding.
2. Coin track.
(various coins and tokens.)
3. Control board.
4. Small push on nut.
(7 per set)
5. 3/16" Whit. acorn nut.
(2 per set)
6. Terminal block.
7. Cable clamp and thread cutting screw.



CT10F SERIES COVER

1. Cover.
2. Lock assembly.
3. Lock cam.
4. Escutcheon and two M3 nuts
(various coins and tokens).
5. Instruction label.
6. Installation label (inside cover).



CT10F SERIES BACKPLATE ASSEMBLY

1. Base moulding.
2. Hinge plate.
3. Cable dead front.
4. Interior screws
(2 1/4" x 3/16th" Whitworth).
5. Hinge plate screws
(3/16th" x 1/2" thread cutting).
6. Locking pin (3/16th" x 3/4").

CHANGE OF COIN OF OPERATION

Coin Conversion Kits are available so that the coin of operation can be changed, rather than replacing the coin timer. The kit contains:

- Coin track
- Coin entrance escutcheon
- Top cover label
- Instruction label

The old coin track is removed and the new track fitted. The old coin escutcheon and label is removed and any surplus label adhesive is cleaned with methylated spirits or similar solvent.

Fit the new label squarely in position. If un-skilled, wet the label in soapy water before fitting. This will allow the label to be re-positioned and allow air to be squeezed from under the label.

FASTENERS

Coin tracks are held on by push on nuts. If necessary these nuts are easily removed by first prising up one edge of the nut, and then cutting through the outer edge with small side cutters.

COVER

The cover is designed to have some 'spring' in the hinge. This means that when closing the cover, slight resistance is felt just at the end of its travel. This is intended to stop the cover being loose and 'rattling'. A loose cover may suggest inferior security and is an invitation to vandalism.

Also this tension 'loads' the lock assembly, making it more difficult for would-be lock pickers.

The cover overlaps the moulded back plate to give excellent splash protection, rated IP 5.5.

KEYS

To maximise internal security no records are kept of the key numbers used by Abberfield Industrie's customers. When deliveries are made, all units in each order should have the same key number. This key number is unlikely to have been supplied on earlier deliveries as several dozen key numbers are in use. The lock manufacturers have designated these numbers for supply to Abberfield Industries only.

Therefore the opening of these coin operated time switches by other keys is highly unlikely. If a key is lost it is to be hoped that the customer has recorded the number (imprinted on the key, not on the lock) so that replacements can be supplied. As the equipment is designed to exclude forceful entry the loss of a key can cause great difficulties.

SERVICE

Service to this equipment should only be carried out by a qualified electrician or the manufacturers.

GUARANTEE

This equipment is guaranteed against faulty manufacture or component failure as per standard terms and conditions of sale PROVIDING it is installed correctly and not subject to abuse.

Also Produced By Abberfield Industries

COIN OPERATED TIME SWITCHES



COIN OPERATED POWER SWITCHES



COIN SHOWER CONTROL



STAND PIPE CONTROL



COIN PHOTOCOPY CONTROL

COIN BARBECUE CONTROL



COIN BOOM GATE CONTROL



COIN VALIDATORS



TICKETING EQUIPMENT



CHANGE GIVING MACHINES



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