



ABBERFIELD

INDUSTRIES

PTY LTD ABN 61 000 112 569

COIN
DISPENSING

COIN
HOPPERS
or
COIN
DISPENSERS



ABBERFIELD INDUSTRIES PTY LTD

32 Cross Street, Brookvale, Sydney, NSW 2100 Australia

Tel: (02) 9939 2844 Fax: (02) 9938 3462

International Tel: +61-2 9939 2844 Fax: +61-2 9938 3462

Email: contact@abberfield.com.au

Internet: www.abberfield.com.au

COIN DISPENSING HOPPERS

Coin dispensers other wise known as coin hoppers are used to deliver coins to an end user, upon instruction from a central control unit, coin validator or similar device.

MODEL CH101 **MODEL CH102**

DESCRIPTION

- A universal coin hopper to dispense a range of coin sizes.
- The microprocessor monitors control of the hopper and permits operation under a variety of protocols, limited only by the extent of the interface electronics incorporated within the hopper, and the needs of the application.
- Verification of correct hopper insertion is provided, preventing incorrect issuing of coins.
- The hopper normally mounts on a moulded rail, sliding longitudinally and automatically engaging electrical connections, via self aligning plug and socket with heavy duty gold plated contacts.
- Hoppers may be exchanged for service or audit purposes without access to coins.
- Designed to eliminate damage during stacking or handling.
- Coins can be inserted into the hopper at any time but not removed manually, without use of a key.

SPECIFICATION

Operating Voltage
Normal operation 12V DC
Will operate to 24V DC



Model CH101

- Polarity reversal protection is included.

Coin Sizes

- Minimum thickness 1.1mm
- Minimum diameter 19mm
- Maximum thickness 4mm
- Maximum diameter 33mm

COIN LOADING

- The hopper comes complete with a locked lid, which on removal permits bulk loading of coins.

PROTOCOLS

Being under microprocessor control, protocols are limited by the extent of the interfacing hardware and application requirements. Protocol 1 is the standard and other protocols can be supplied on request.

Protocol 1.

- A maintained "hopper run" signal is provided to operate the dispense motor.
- As each coin is dispensed a pulse output is generated.
- When the required pulses are received the external control circuit disconnects the run signal.

Protocol 2.

- Pulses are provided to represent the number of coins to be dispensed. The hopper issues confirming pulses for each coin dispensed.

Protocol 3.

- An input pulse is provided to start the coin hopper and coins will be issued to equal a preset number.

Protocol 4.

- The hopper is placed under the control of an external keypad.

HOPPER IDENTIFICATION

The base of the hopper, and the moulded rail, incorporate provision for insertion of screws. Providing a mechanical 1 to 12 decoding. This ensures coin hoppers cannot be mixed with others dispensing a different coin denomination.

MECHANICAL

Compact equipment packaged for ease of handling and storage or stacking. There are no external parts to be damaged by rough treatment. Security is provided via the locked lid.

Model CH101

Height 335mm
Width 90mm
Depth 315mm

Weight - Empty 5.2kg

Model CH102

Height 335mm
Width 160mm
Depth 315mm

Weight - Empty 6kg

SERVICE

- Polycarbonate plastics are used impregnated with self lubricating agents.
- The coin detection sensors are solid state, non-contact devices and are therefore maintenance free.
- The electronic control circuit should require no maintenance over the life of the product.
- The plug and socket contacts are gold plated but occasional maintenance to coat with contact cleaner is recommended.
- Build up of dirt on the inside of the hopper and coin exit chute should be minimised. Occasional cleaning may be necessary.

COIN DISPENSERS

MODEL CD40S

MODEL CD40L

OPERATION

- Dispenses coins under internal or external control.
- Incorporates optical "sold out" detectors and coin dispensed confirmation detectors.
- Intelligent operation, retries to dispense at if first unsuccessful.
- Low power consumption.
- Locked coin storage.

COIN CAPACITY

- Capacity of CD40S chute 1 litre.
- Capacity of CD40L chute 2 litre.

CONCEPT

- Plug in "black box" with no exposed wires or mechanics.
- Networked units require 12 volt supply and 2 data lines.
- Supply voltage unregulated 12V D.C.
- Connects via self aligning gold plated contacts
- plug in the module - not the wiring.

COMMUNICATION

- High speed multimaster serial bus.
- Parallel printer port available on request and interface modules for RS232, RS485.
- Simple switch dispense mode.



PHYSICAL

- Standard physical size allows interchanging with other 40 series revenue handling modules.
- Dimpled locating feet positions the dispenser in support frame.
- Provided with integral screws to optionally attach dispenser to a purpose built chassis bracket. Screws can be standard or fitted with security heads.

CD40S

Height: 400mm Depth: 166mm
Width: 94mm Weight: 3.5 kg

CD40L

Height: 520mm Depth: 166mm
Width: 94mm Weight: 4.5kg

ALSO PRODUCED BY ABBERFIELD

TICKETING EQUIPMENT

●
ACCESS CONTROL

●
COIN BOOM GATE CONTROL

●
CHANGE GIVING MACHINES

●
COIN VALIDATORS

●
PACKET DISPENSERS

COIN OPERATED TIME SWITCHES

●
COIN OPERATED POWER SWITCHES

●
COIN SHOWER CONTROL

●
STAND PIPE CONTROL

●
COIN PHOTOCOPY CONTROL

●
COIN BARBECUE CONTROL



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