



## COD-100 Call Operating Device

### Description

The COD-100 is a high security switch that is mounted through a wall and used to initiate, acknowledge, cancel or reset call request or alarm functions. It is ruggedly constructed with stainless steel exposed surfaces and travel limited push button. Three lengths are available to accommodate wall thickness from 5" to 12".

Optional fault supervision circuitry is available for monitoring the connecting cable for short circuits and open circuits. The standard pigtail field connection leads are 22 ga. wire. Custom pigtail lengths are available.

The COD-100 is typically mounted with the push button in a cell (or other inmate accessible area) and the switch in a pipe chase or similar secure area.

### Features

- mounts into 1" diameter hole through the wall
- 0.25" stainless steel faceplate and 1" diameter stainless steel push button
- long life switch
- gold plated contacts
- positive tactile and audible feedback
- optional termination circuitry for line fault supervision to detect open and short circuit wiring faults
- push button is free to rotate
- travel limited to prevent damage to switch
- anti rotation pin prevents disassembly from push button side of wall
- switch and wiring on the secure side of the wall
- available in lengths for various wall thicknesses
- wire pigtails for easy connection



### Specifications

#### Physical

for nominal 6" wall	fits wall thickness 5–8" (130–200 mm)
for nominal 8" wall	fits wall thickness 7–10" (180–250 mm)
for nominal 10" wall	fits wall thickness 9–12" (230–310 mm)
tube size	0.75" (19mm) diameter
recommended hole size	1" (25 mm) diameter

Faceplate	3" (76 mm) diameter 0.25" (6 mm) thick
-----------	---

Push button	1" (25 mm) diameter
-------------	---------------------

#### Environmental

Operating Temperature	5 to 185 °F (-15 to 85 °C)
Storage Temperature	-40 to 185 °F (-40 to 85°C)
Humidity	0 to 95 % non-condensing

Field Connections	12" (300 mm) 22 ga wire pigtails
-------------------	----------------------------------

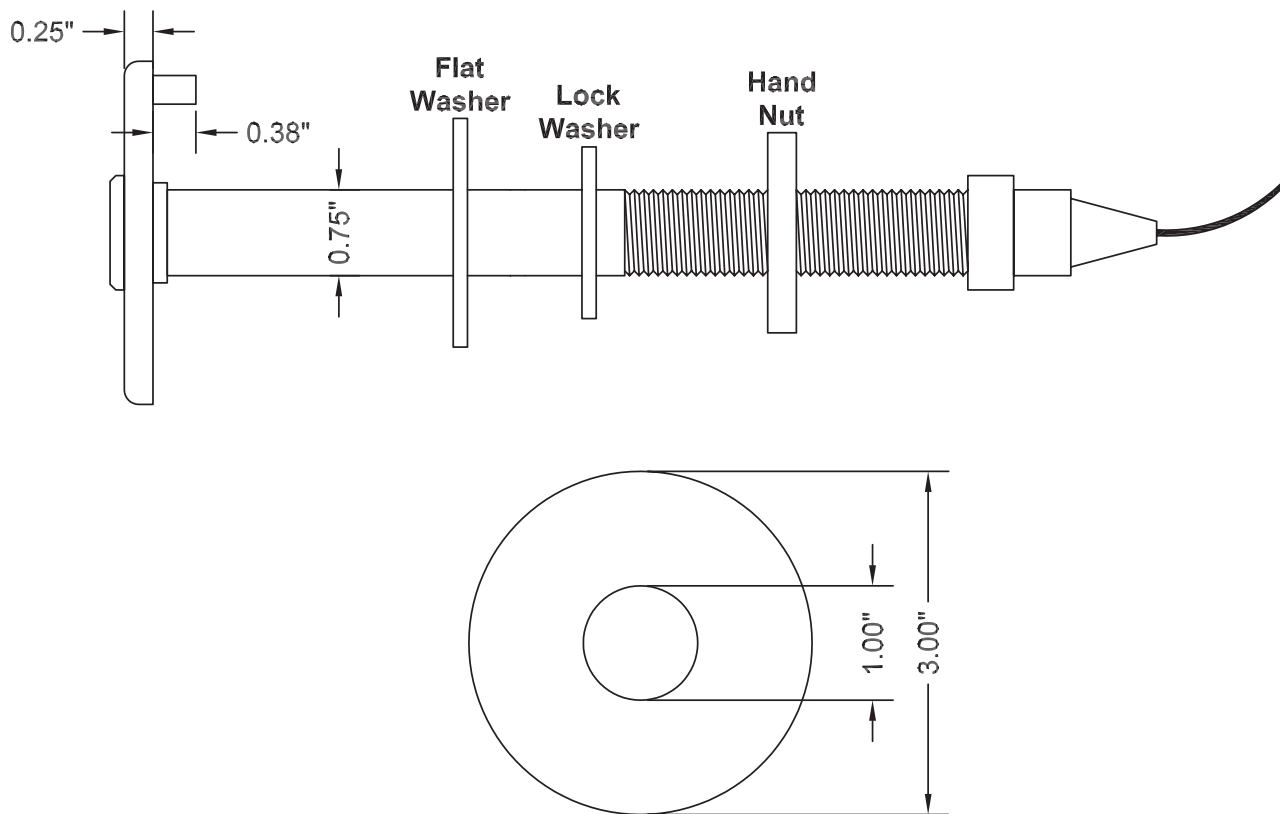
Cabling	22 ga pair 2500 ft (750 m) maximum length
---------	--

#### Switch Lifetime

Mechanical	100,000 operations
Electrical	50,000 operations

Switch Rating	0.4 VA max @ 28 V max
---------------	-----------------------

## Mechanical



## Ordering Information

Part number COD-100-ABC

- A length options
  - 1 for 6" wall thickness (5–8")
  - 2 for 8" wall thickness (7–10")
  - 3 for 10" wall thickness (9–12")
- B circuitry termination options
  - 0 none
  - 1 terminated for switch B supervision
  - 2 terminated for switch A supervision
- C wire pig tail options
  - 1 22 ga wire - 1 ft
  - 9 custom (add length in feet)

## Accessories

Custom Nut Driver

CND-100