

# ELECTRONIC DEADBOLTING LOCK

The YD38 offers the highest level of security of any of the YNOTLOC door products. Incorporating the same advanced design, quality and electronic ingenuity as the YD25 and YD25K but with increased strength primarily achieved by utilizing a larger diameter bolt pin. With integrated access control features and robust engineering the YD38 is the preferred option when high physical strength is needed.

## Physical Dimensions

- 203mmL x 37.5mmW x 44mmD

## High Security

- 20,000N holding force (2,000kg).
- Automatic deadbolting.
- 14.3mm diameter stainless steel bolt pin.

## Versatile installation

- Mortice mount horizontally or vertically, on single or double acting doors. Surface mount with the aid of YD38 accessories, including onto glass doors.

## Dual Monitoring

- Door and bolt position monitors.

## Integrated Access Control

The YD38 electronics offer:

- Multiple attempts to lock and unlock.
- Auto relock after 8 seconds.
- Anti-tailgate and Anti-tamper.

## Varied Voltage Input

- Input voltage from 12VDC – 24 VDC.
- Thermal overheating protection.
- Built in reverse polarity and transient protection.

## Low Current Consumption

- Current reduction circuitry limits the power required to maintain the locks state.

## Approvals

- CE-BS EN50081-1, BS EN50082-1, BS EN50082-2.
- Cycle tested to 1000000 operations.

## Appearance

- Faceplates and Strike plates come with square ends and are all made from 3mm polished Stainless Steel.



# SURFACE MOUNT ACCESSORIES

There are various accessories available for the YD38 model deadbolt to help assist with installation and operation. They consist of:

## **Housing**

When mortice fitting is not an option, a lock or long strike plate used in conjunction with a YD38 housing can be the perfect solution. Housings can be screwed to wood or glued to glass and offer the surface mounting answer.

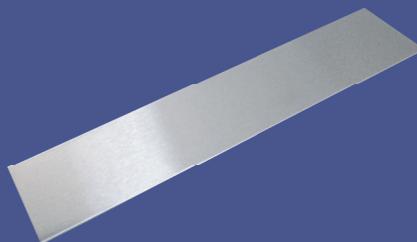
Dimensions: 205mmL x 50mmW x 50mmH



## **Dress plate**

A flat stainless steel dress plate is used when gluing a housing onto glass, to give a clean finish.

Dimensions: 210mmL x 50mmH x 1mmT



## **Long strike plate**

Made from 3mm polished stainless steel. Dimensions match the YD38 faceplate and provide a nice finishing option. Available with square ends.

Dimensions: 203mmL x 37.5mmW x 3mmT



## **Short strike plate**

Made from 3mm polished stainless steel and comes standard with the YD38 deadbolt. Available with square ends.

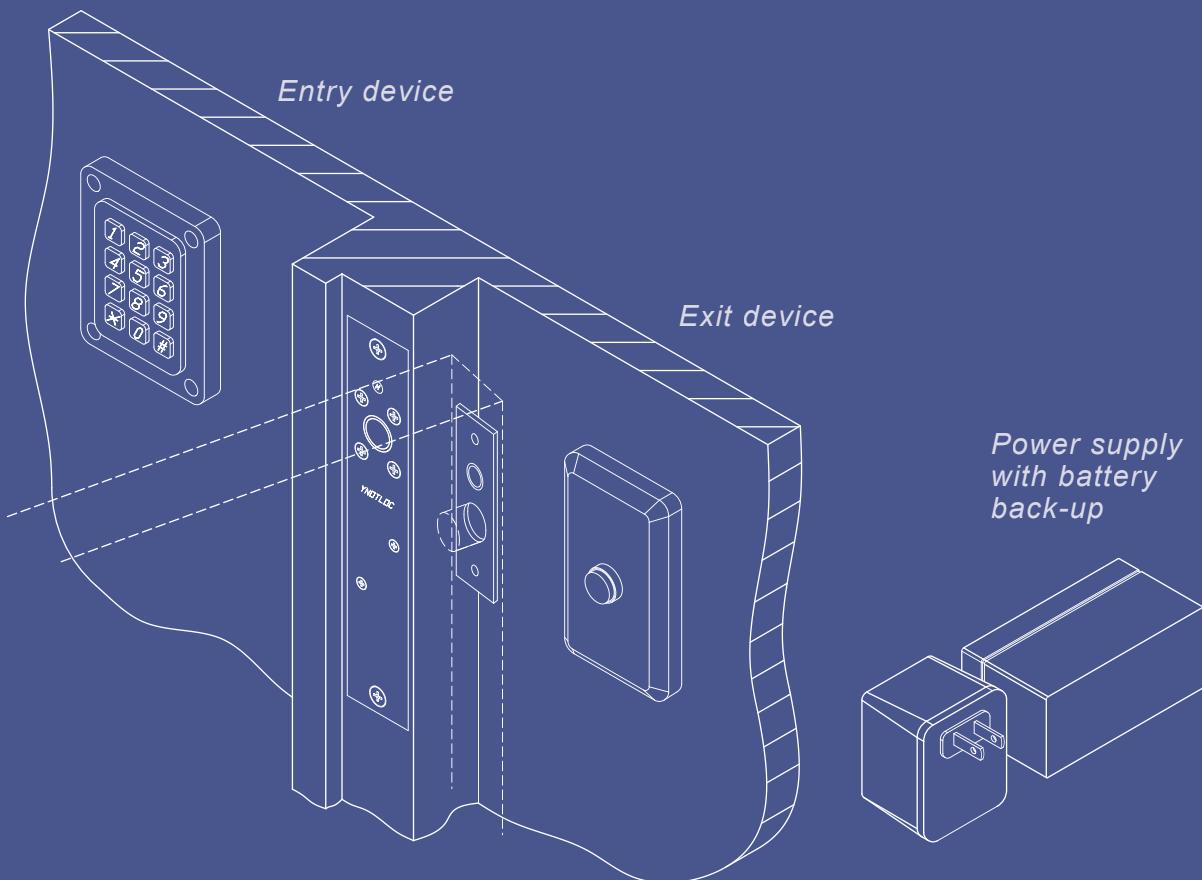
Dimensions: 90mmL x 30mmW x 3mmT



# INTEGRATED ACCESS CONTROL

The YD38 can be connected to advanced access control systems and offers feed back for both door and bolt positions. This allows it to be used in sophisticated installations where logging and traffic records are important.

However the integrated access control features of the YD38 also mean it is the perfect solution when electronic locking is desired without the need for a complex control system. As shown in the diagram a power supply can be used to power the lock, with an entry device, in this case a key pad, and an exit device, simple push button, used to control it. When the door is closed the lock senses that the strike plate is in position and the YD38 automatically locks. With multiple attempts to lock / unlock, automatic locking and 8 second exit delays, all of the basic functions of an access control system are taken care of by the YD38.



<i>PTL</i>	<i>Power To Lock</i>	<i>Fail Safe</i>	<i>Fail Unlocked</i>
<i>PTO</i>	<i>Power To Open</i>	<i>Fail Secure</i>	<i>Fail Locked</i>

## PRODUCT COMPARISON CHART

	YD25 Streamline	YD25K Key Override	YD38 High Security
<b>Dimensions (mm)</b>			
Bolt pin diameter	12.7	12.7	14.3
Bolt pin length / throw	16	16	14
Faceplate (Width, Length, Thickness)	25, 210, 3	25, 280, 3	37.5, 203, 3
Cover (Width, Length, Thickness)	22, 164, 39	22, 230, 42	33, 167, 41
<b>Materials (SS = Stainless Steel)</b>			
Screws	SS	SS	SS
Bolt pin	SS	SS	SS
Faceplate	SS	SS	SS
Strike plate	SS	SS	SS
Plastic components	Acetal	Acetal	Acetal
<b>Power requirements</b>			
Activate current 12V	1050mA	1050mA	1500mA
Activate current 24V	950mA	950mA	1400mA
Holding current 12V	200mA	200mA	230mA
Holding current 24V	70mA	70mA	90mA
Thermal overheating protection	Yes	Yes	Yes
Input Voltage	12-24VDC±10%	12-24VDC±10%	12-24VDC±10%
<b>Monitoring</b>			
Door Position Switch	Yes	Yes	Yes
Bolt Position Switch	Yes	Yes	Yes
Key Override Switch		Yes	
<b>Integrated access control</b>			
PTL locking attempts	9	9	9
PTO unlocking attempts	5	5	5
Auto relock after 9 seconds	Yes	Yes	Yes
Anti tailgate	Yes	Yes	Yes
<b>Modes</b>			
PTL (Fail safe)	Yes	Yes	Yes
PTO (Fail secure)	Yes	Yes	Yes
<b>Particulars</b>			
Strength	10,000N	10,000N	20,000N
Cycle tested operations	1000000	1000000	1000000
Guarantee	5 Years	5 Years	5 Years
CE approval	Yes	Yes	Yes
<b>Deadbolting</b>	Yes	Yes	Yes