



LOCKBELL SIGNALLING RELAY PANEL

User Manual

LOCKBELL SIGNALLING RELAY PANEL

The Deebor Bell Signalling Relay Panel's function is to interface between the Winder and the Bell Signalling Units at the Driver, Bank and underground levels.



FUNCTIONS

1. Winder Brake Interlocking with Bell Signalling System.
2. Lock and Clear Lights at the Driver, Bank and Underground Levels.
3. All Clear delay in Men is set between 15 – 20 Seconds (Adjustable) after Bells Clear.
4. All Clear delay in Material / Rock is set between 3 – 5 Seconds (Adjustable) after Bells Clear.
5. Accommodate Shaft Inspection Units.
6. Relocking delay is set between 60 – 80 Seconds (Adjustable) after All Clear.

INFOMATION REQUIRED WITH ORDER

1. Bell Signalling voltage? 32V, 110V or Other
2. Bell Signalling cards used on Drivers Desk? D-Tronic or Evolution
3. If this needs to be installed on a chassis plate for an existing panel, please send a drawing with the chassis plate sizes.
4. Panel size: h800 x w600 x d250mm.

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INPUTS FROM & OUTPUTS TO SHAFT

1. Live and Neutral to the Lock Bell Signalling Units
2. Common from the Bank Bell Signalling Units
3. Common from Underground Bell Signalling Units
4. Bank Robot Lights: Red, Green and Neutral
5. Underground Robot Lights: Red, Green and Neutral
6. Live and Neutral to the Call Bell Signalling Units
7. Common from the Call Bell Signalling Units

INPUTS FROM & OUTPUTS TO DRIVERS DESK

1. Live and Neutral to the Bell Signalling Cards
2. Common from the Bank Bell Signalling Card and to Sounder
3. Common from Underground Bell Signalling Cards and to Sounder
4. Contact that closes if Material (Rock) is selected (Input)
5. Contact that closes if Brakes are applied (Input)
6. Contact from Shaft Inspection Unit for Lock and Clear (Input)
7. Bank Locked (Red) / Clear (Green) indication
8. Underground Locked (Red) / Clear (Green) indication
9. All Clear Indication

OUTPUTS TO WINDER

1. All Clear for Safety Circuit
2. Bank Locked
3. Bank Clear
4. Underground Locked
5. Underground Clear
6. All Clear

OUTPUTS FOR EVENT RECORDER

1. Underground to Driver Signals
2. Driver to Underground Signals
3. Bank to Driver
4. Driver to Bank
5. All Clear
6. Bank Clear
7. Underground Clear
8. Brakes On
9. Material Selected

TECHNICAL DATASHEET

LOCKBELL RELAY PANEL



PRODUCT DETAILS

The Deebar Bell Signalling Relay Panel's function is to interface between the Winder and the Bell Signalling Units at the Driver, Bank and underground levels.

Available either as a:

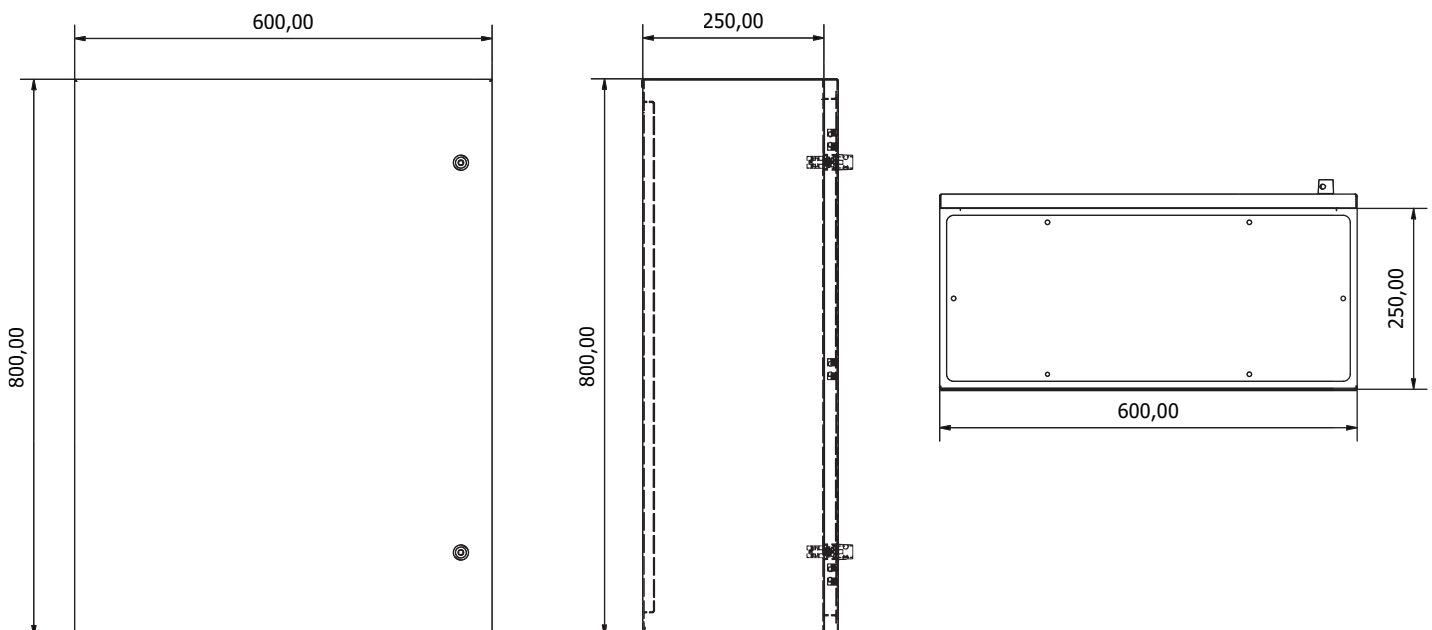
- PLC Control Solid State Type
- Heavy Duty Relay Type

Functions:

- The relay drives the Lock and Clear Lights on the Bank and on various Levels
- Brake Interlocking with Bell System
- Winder brake delays are:
 - Men Mode - 15 Sec delay
 - Material Mode - 5 Sec delay
 - Relocking of Bells if Driver does not respond - 80 Sec delay

| Product Code: | Description: |
|---------------|---|
| *9014.27 | Lockbell Relay Panel, 110V AC |
| *9013.05 | Lockbell Relay Panel, 32V AC |
| 0164.09 | Dual Voltage Transformer 525/ 0 - 24V and 0 - 32, 36, 40V |
| 0164.10 | Transformer 525/110V |

DIMENSIONAL DRAWING



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