

# Digital Block Controller (DiBloC)



The DiBloC system is designed to function in a similar manner to conventional key token instruments; using the normal type of key token with the usual four configurations.

Machines are configured by Park Signalling according to customer requirements in groups of between two and six instruments, with communication via Ethernet using public internet/GSM or private systems such as Network Rail's Fixed Telecom Network (FTN) system. Two independent communications paths are used to ensure system availability.

Configuration allows for enforced signaller token release, where this release is not required, the release button position is blanked. A sounder and illuminated buttons are provided allowing controlled or supervised token release. Bell communication is not provided as standard, if required this can be made available.

Operation requires the user to request a token by use of the request button, if signaller release is specified the sounder will alert the signaller to operate the release button which, if available, will release a token at the requesting instrument. If signaller release is not specified and a token is available, it will be released.

### Specification

Power	24V DC, 2.5A peak, 0.5A quiescent; either UPS or battery supported
Size	Width 332mm, Depth 390mm, Height 544mm (space must be allowed for cover removal)
Weight	22kg without key tokens
Environment	DiBloC must be housed in a protected environment (minimum location case), a hut is preferable. <ul style="list-style-type: none"> <li>• Temperature -25 to +70°C</li> <li>• Ingress protection IPx1</li> </ul>
Key Token Capacity	45
Key Token Configuration	A, B, C, or D
Signalling Outputs	Voltage Free, Double Cut: <ul style="list-style-type: none"> <li>• Token locally removed</li> <li>• Token locally returned</li> <li>• Line clear</li> </ul>
Signalling Inputs	<ul style="list-style-type: none"> <li>• Inhibit system release, requires double cut voltage free contacts</li> <li>• Local warning, for monitoring events local to the instrument, requires single cut voltage free contact(s)</li> </ul>
Communication	Ethernet, dual redundant <ul style="list-style-type: none"> <li>• Two routers required at each instrument, either hardwired or GSM</li> </ul>
Remote Condition Monitoring is available as contacts and/or via Ethernet	
All events at the instrument are logged to an internal store which can be removed and searched	
A fully fitted cabinet for one or two instruments can be supplied incorporating 24v power supply and routers. A 110v or 230v power supply to the cabinet is required.	



#### Front Panel Controls:

- Token Request
- Signaller's Release (optional)

#### Indications:

- Token Available
- Token Not Available
- Internal Fault
- No Reply / Remote Fault
- Network Channel A Fault
- Network Channel B Fault
- Logging Inactive
- Check Rotation
- Local Inhibit
- Remote Inhibit
- Local Site Warning
- Remote Site Warning



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