

MineWatch PC21 Products Description

The PC21 system can be used to control and monitor the whole of the mine and send the associated data to the surface control room SCADA where it can be displayed/analysed /utilised to enable efficient and safe operations. The system provides an easy to use modular, multipurpose, reliable platform that can be used for the simplest control/monitoring system yet be easily extended with additional modules to create large control/monitoring systems.

PC21 Input/Output Unit



- 14 analogue/digital inputs
- 6 intrinsically safe relay control outputs
- 8 switch inputs for starting/stopping equipment
- Diagnostic display

PC21 GPMC Unit



- 14 analogue/digital inputs
- 6 intrinsically safe relay control outputs
- 8 switch inputs for starting/stopping equipment
- Windows based multi lingual colour display
- Mimics display of system status

PC21-3 Control Unit



- 14 analogue/digital inputs
- 6 intrinsically safe relay control outputs
- 6 FLP control relays
- 1 or 2 Pre Start Warning and Emergency Stop control boards for starting equipment
- Dual 500mA output power supply
- 8 switch inputs for start/stop
- Windows based multi lingual colour display
- Mimics display of system status

Options for including in one box

1. SAP transmission
2. Fiber Optic Transmission
3. RS485 Modbus Communications
4. Speed/Sequence Units
5. Extra analogue/digital monitoring
6. Analogue Output Module

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PC21-3 Control Unit



- 14 or 28 analogue/digital inputs
- 6 intrinsically safe relay control outputs
- 6 FLP control relays
- 1 or 2 Pre Start Warning and Emergency Stop control boards for starting equipment
- 8 switch inputs for start/stop
- Dual 500mA 12v output power supply
- Windows based multi lingual colour display
- Mimics display of system status
- Separate connection chamber

Options for including in one box

1. SAP transmission
2. Fiber Optic Transmission
3. RS485 Modbus Communications
4. Speed/Sequence Units
5. Extra analogue/digital monitoring
6. Analogue Output Module

PC21 Multi Purpose Unit



- 14 or 28 or 42 or 56 analogue/digital inputs
- 6 or 12 or 18 or 24 intrinsically safe relay control outputs
- 6 or 12 FLP control relays
- 1 or 2 Pre Start Warning and Emergency Stop control boards for starting equipment
- 2 x Dual 500mA output power supplies
- 8 switch inputs for start/stop
- Windows based multi lingual colour display
- Mimics display of system status

- Separate connection chamber

Options for including in one box

1. SAP transmission
2. Fiber Optic Transmission
3. RS485 Modbus Communications
4. Speed/Sequence Units
5. Extra analogue/digital monitoring
6. Analogue Output Module

