

Telecontrolcard Selection Guide REG-PE

| Card | Main Protocol | Only One of those | | | Only One of those | | | Only One of those | | | | | | |
|------------------|------------------------------|-------------------|---|------------|-------------------|------------------------------|---|-------------------|------------------------------|------------------------------|---|------------------------------|-------------------|------------------------------|
| IEC 61850 | REG-PEL | IEC 61850 | DCF-Simulation out of NTP | COM Server | CSE ²⁾ | Intertrigger ¹⁾ | DCF-Simulation out of NTP | COM Server | CSE ²⁾ | Intertrigger ¹⁾ | DCF-Simulation out of NTP | COM Server | CSE ²⁾ | Intertrigger ¹⁾ |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | IEC 61850 | COM Server | | | DCF-Simulation out of NTP | | | Intertrigger ²⁾ | | | | | |
| C37.118 | REG-PEL ¹⁾ | C37.118 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | C37.118 | COM Server | | | DCF-Simulation out of NTP | | | Intertrigger ²⁾ | | | | | |
| IEC 103 | REG-PEL ¹⁾ | IEC 103 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | IEC 103 | | | IEC 103 | | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | IEC 103 | COM Server | | | IEC 103 | | | Intertrigger ²⁾ | | | | | |
| DNP 3.0 | REG-PEL ¹⁾ | DNP 3.0 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | DNP 3.0 | | | DNP 3.0 | | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | DNP 3.0 | COM Server | | | DNP 3.0 | | | CSE | | | | | |
| MODBUS | REG-PEL ¹⁾ | MODBUS | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | MODBUS | | | MODBUS | | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | MODBUS | COM Server | | | MODBUS | | | CSE | | | | | |
| CSO | REG-PEL ¹⁾ | CSO | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | CSO | CSE ²⁾ | Intertrigger ¹⁾²⁾ | CSO | CSE ²⁾ | Intertrigger ¹⁾²⁾ | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | CSO | DCF-Simulation out of NTP ²⁾ | | | CSE ²⁾ | | | | | | | | |

¹⁾ Selected Option of this line must be unique!

²⁾ Please contact your sales for this option!

Telecontrolcard Selection Guide REG-PED

| Card | Main Protocol | Only One of those | | | Only One of those | | | Only One of those ³⁾ | | | | | | |
|------------------|-----------------------------|-------------------|---|------------|-------------------|------------------------------|---|---------------------------------|------------------------------|------------------------------|---|------------------------------|-------------------|------------------------------|
| IEC 61850 | REG-PED | IEC 61850 | DCF-Simulation out of NTP | COM Server | CSE ²⁾ | Intertrigger ¹⁾ | DCF-Simulation out of NTP | COM Server | CSE ²⁾ | Intertrigger ¹⁾ | DCF-Simulation out of NTP | COM Server | CSE ²⁾ | Intertrigger ¹⁾ |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | IEC 61850 | COM Server | | | DCF-Simulation out of NTP | | | Intertrigger | | | | | |
| C37.118 | REG-PED¹⁾ | C37.118 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | C37.118 | COM Server | | | | | | | | | | | |
| IEC 103 | REG-PED¹⁾ | IEC 103 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | IEC 103 | | | | | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | IEC 103 | COM Server | | | DCF-Simulation ²⁾ | | | | | | | | |
| DNP 3.0 | REG-PED¹⁾ | DNP 3.0 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | DNP 3.0 | | | | | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | DNP 3.0 | COM Server | | | DNP 3.0 | | | DCF-Simulation ²⁾ | | | | | |
| MODBUS | REG-PED¹⁾ | MODBUS | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | MODBUS | | | | | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | MODBUS | MODBUS | | | DCF-Simulation ²⁾ | | | | | | | | |
| CSO | REG-PED¹⁾ | CSO | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ¹⁾²⁾ | CSO | CSE ²⁾ | Intertrigger ¹⁾²⁾ | CSO | CSE ²⁾ | Intertrigger ¹⁾²⁾ | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | COM3 | | | COM4 | | | | | |
| | Example | CSO | DCF-Simulation out of NTP ²⁾ | | | DCF-Simulation ²⁾ | | | | | | | | |

¹⁾ Selected Option of this line must be unique!

²⁾ Please contact your sales for this option!

³⁾ No Bonding nor double fiber optic Ethernet processing available if COM4 is used

Telecontrolcard Selection Guide REG-P

| Card | Main Protocol | Only One of those |
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| IEC 103 | REG-P ¹⁾ | IEC 103 | COM Server |
| | COM used | COM2 (internal) | COM1 |
| | Example | IEC 103 | IEC 103 |

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|----------------|---------------------|-----------------|------------|
| DNP 3.0 | REG-P ¹⁾ | DNP 3.0 | COM Server |
| | COM used | COM2 (internal) | COM1 |
| | Example | DNP 3.0 | DNP 3.0 |

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|------------|---------------------|-----------------|------------|
| CSO | REG-P ¹⁾ | CSO | COM Server |
| | COM used | COM2 (internal) | COM1 |
| | Example | CSO | CSO |

¹⁾ Selected Option of this line must be unique!

²⁾ Please contact your sales for this option!

Telecontrolcard Selection Guide REG-PEL

| Card | Main Protocol | Only One of those | | | | Only One of those | | | |
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|------------------|-----------------|-----------------|---------------------------|------------|-----|----------------------------|---------------------------|------------|-----|----------------------------|
| IEC 61850 | REG-PEL | IEC 61850 | DCF-Simulation out of NTP | COM Server | CSE | Intertrigger ¹⁾ | DCF-Simulation out of NTP | COM Server | CSE | Intertrigger ¹⁾ |
| | COM used | COM2 (internal) | COM1 (internal) | | | | COM3 | | | |
| | Example | IEC 61850 | COM Server | | | | DCF-Simulation out of NTP | | | |

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|----------------|------------------------------|-----------------|---|------------|-------------------|-------------------------------|---|------------|-------------------|-------------------------------|
| C37.118 | REG-PEL ¹⁾ | C37.118 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ^{1) 2)} | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ^{1) 2)} |
| | COM used | COM2 (internal) | COM1 (internal) | | | | COM3 | | | |
| | Example | C37.118 | COM Server | | | | | | | |

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|----------------|------------------------------|-----------------|---|------------|-------------------|-------------------------------|---------|--|--|--|
| IEC 103 | REG-PEL ¹⁾ | IEC 103 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ^{1) 2)} | IEC 103 | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | | COM3 | | | |
| | Example | IEC 103 | COM Server | | | | IEC 103 | | | |

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|----------------|------------------------------|-----------------|---|------------|-------------------|-------------------------------|---------|--|--|--|
| DNP 3.0 | REG-PEL ¹⁾ | DNP 3.0 | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ^{1) 2)} | DNP 3.0 | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | | COM3 | | | |
| | Example | DNP 3.0 | COM Server | | | | DNP 3.0 | | | |

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|---------------|------------------------------|-----------------|---|------------|-------------------|-------------------------------|--------|--|--|--|
| MODBUS | REG-PEL ¹⁾ | MODBUS | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ^{1) 2)} | MODBUS | | | |
| | COM used | COM2 (internal) | COM1 (internal) | | | | COM3 | | | |
| | Example | MODBUS | COM Server | | | | MODBUS | | | |

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|------------|------------------------------|-----------------|---|------------|-------------------|-------------------------------|-------------------------------|--|-------------------------------|--|
| CSO | REG-PEL ¹⁾ | CSO | DCF-Simulation out of NTP ²⁾ | COM Server | CSE ²⁾ | Intertrigger ^{1) 2)} | CSO | | Intertrigger ^{1) 2)} | |
| | COM used | COM2 (internal) | COM1 (internal) | | | | COM3 | | | |
| | Example | CSO | DCF-Simulation out of NTP ²⁾ | | | | Intertrigger ^{1) 2)} | | | |

¹⁾ Selected Option of this line must be unique!

²⁾ Please contact your sales for this option!