GMA200 Gas detection system

Architecture of the GMA200 System

- GMA and transmitter
- Relay modules
- Star-, Loop-, Lines cabling
- Gateway
GMA200 Connection of transmitters with digital interfaces

GMA-Bus

Loop cabling at digital transmission

TRM-Loop-Bus (Bus 1+2)

GMA-Bus

TRM-Bus 1

Lines cabling at digital transmission

TRM-Bus 2
GMA200 Connection of devices with digital interfaces

Lines cabling at digital transmission

Loop cabling at digital transmission (Bus1+2)
GMA200 Connection of devices and a gateway

- GMA-Bus
- Gateway
- TRM-Bus1
- TRM-Bus2
- Lines cabling at digital transmission

Star cabling
analog signals
GMA200 Gateway with Ethernet-Interface

- Data communication via gateway
  - Polling of measuring values and status informations (every second)
  - Reading of measuring points- and transmitter configuration (MR, AL)
  - Reset of alarms (optional)

- GMA200 configuration with GMA200Config-software
  - GMA-Bus Address
  - GMA-Bus Baudrate

- Gateway configuration with WinGate-software
  - IP Address, Subnet-Mask, etc.
  - Transport protocol TCP Modbus, Modbus RTU, etc.
  - Frame format, Baudrate
  - Interface type, etc.

Example for gateway configuration

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet settings</td>
<td>Specific to customer</td>
</tr>
<tr>
<td>GMA-Bus settings</td>
<td>Specific to GMA system</td>
</tr>
</tbody>
</table>

*1 Ethernet settings
*2 GMA-Bus settings
Thank you for your attention!