| Shared CAN Protocol | | |
|---|---|---|
| Node Name | Acronym | Description |
| | | |
| Master Controller | MC | Process messages from all nodes |
| | | Command EC to re-position car to specific floor |
| Elevator Controller | EC | Process messages from MC and move car to specific floor |
| | | Read data from position sensor and sends through CAN network |
| Car Controller | CC | Report state of elevator car door |
| | | Report requested floor on the CAN network |
| | | Display current car position |
| Floor 1 Controller | F1C | Request elevator car |
| | | Display current car position |
| Floor 2 Controller | F2C | Request elevator car |
| | | Display current car position |
| Floor 3 Controller | F3C | Request elevator car |
| | | Display current car position |

## Shared CAN Protocol

| Message Name | Transmitter | Receiver | Message ID (hex) | DLC | 7 | 6 | 5 | 4 | 3 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|
| MC_to_EC | MC | EC | 0x100 | 1 | | | | | | MC_Enable |
| EC_Status | EC | ALL | 0x101 | 1 | | | | | | EC_Status |
| CC_Status | CC | MC | 0x200 | 1 | | | | | | CC_Door_State |
| F1C_Status | F1C | MC | 0x201 | 1 | | | | | | |
| F2C_Status | F2C | MC | 0x202 | 1 | | | | | | |
| F3C_Status | | MC | 0x203 | 1 | | | | | | |

| te 0 | |
|---|---|
| 1 | 0 |
| MC_Floor_Cmd | |
| EC_Car_Position | |
| CC_Floor_Request | |
| | |
| | F1_Call_Request |
| | F2_Call_Request |
| | F3_Call_Request |

z