

3. Jak po zainstalowaniu modułu Modbus/BACnet odblokować możliwość sterowania ręcznego lub analogowego (0-10V, 4-20mA)?



Zgodnie z ustawieniami fabrycznymi pomp Wilo montaż modułu komunikacji IF-Modul lub CIF-Modul powoduje zablokowanie możliwości zmiany wartości zadanych z poziomu panelu sterowniczego oraz sterowania stykami cyfrowymi lub analogowymi. Domyślnie po zainstalowaniu modułu komunikacji możliwe jest sterowanie wyłącznie za jego pośrednictwem.

Aby ustawić preferowany rodzaj komunikacji należy skorzystać z parametru:

Bus Command Timer

Modbus: adres 300;

BACnet: Mutistate Outputs (MO)->Buss Command Timer in,active

Aktywować jednoczesne sterowanie pompą z wielu źródeł można przypisując wartość 5=MANUAL dla parametru Bus Command Timer

-aktywne są wszystkie możliwe rodzaje regulacji i ostatnio nadpisana wartość jest wartością zadaną

Poniżej opis parametru **Bus Command Timer** dla poszczególnych protokołów.

a) Modbus

6.2.7.3.300 Bus Command Timer

property	value
address	300
scope	pump system
function	input value / active value
data type	USINT
range low	1
range high	5
(signal-ID: 81)	

value	Name	description	support
1	OFF	The functionality Bus Command timer is deactivated. The local operation is blocked permanently (factory setting).	CIF-/IF-Module internal;
2	SET	This signal start a lockout time for the local pump operation. The lockout time may be adjustable, depending on the communication system.	CIF-/IF-Module internal;
3	ACTIVE	This signal indicates that the lockout time is active.	CIF-/IF-Module internal;
4	RESET	This signal indicates that the lockout time which was started with the signal "Bus Command Timer SET" has elapsed. Local operation of the device is possible, the write to the device over the communication link is blocked.	CIF-/IF-Module internal;
5	MANUAL	This signal indicates that the local as well as the remote operation is possible. The commands are accepted according "last write wins".	CIF-/IF-Module internal;
6	SET_PRESET	This signal start a lockout time for the local pump operation. The lockout time may be adjustable, depending on the communication system. After the lockout time has elapsed, PRESET values are used for operation.	CIF-/IF-Module internal;
7	ACTIVE_PRESET	This signal indicates that the lockout time which was started with the signal "Bus Command Timer SET_PRESET" is currently active. After the lockout time has elapsed, PRESET values are used for operation.	CIF-/IF-Module internal;
8	RESET_PRESET	This signal indicates that the lockout time which was started with the signal "Bus Command Timer SET" has elapsed. Local operation of the device is possible, the write to the device over the communication link is blocked. When this signal becomes active, PRESET values are set once for operation.	CIF-/IF-Module internal;
9	MANUAL_PRESET	This signal indicates that the local as well as the remote operation is possible. The commands are accepted according "last write wins". When this signal becomes active, PRESET values are loaded once.	CIF-/IF-Module internal;

When using an IF-Module the local menu is disabled by factory setting. The local menu can be enabled permanently by writing the value MANUAL. To use the local menu only when the BAS system fails, repeat writing the value SET at least before the optional Bus Command Timer timeout time (default: 300 s). The activation is stored and survives a power on reset. When the mechanism is no longer needed, write OFF to reset to factory setting. If the BAS fails, then the menu can be entered to adjust the settings. E54 may be displayed at the pump. When using the Modbus IF-Module the local menu and the control input IN2 are disabled by factory setting. The local menu can be enabled permanently by writing the value MANUAL. The input IN2 can be enabled at the menu <5.4.1.0>. To use the local menu only when the BAS system fails, write the value SET at least every 5 minutes. The activation is stored and survives a power on reset. When the mechanism is no longer needed, write OFF to reset to factory setting. If the BAS fails (does not rewrite SET within 5 minutes) the E54 is displayed at the pump. Then the menu can be entered to adjust the settings. When bus command timer state is RESET, writes from Modbus to the Setvalue, Pump command and Operation mode (holding registers 1, 40, 42) have no effect. Normally, the settings made during BAS fail do not survive power fail. After power on, the last values of Setvalue, Pump command and Operation mode from Modbus are taken as default. To start with the values set manually before power fail, write RESET to bus command timer to disable write to the values and mirror the following input registers to holding registers by reading the input registers and writing the values to the according holding register: 400->1 402->40 10->42

Support reference: CIF-/IF-Module internal;

b)BACnet

1.14.1 Bus Command Timer

property	value
instance #	1
relinquish default	5
function	input value

value	Name	description	support
1	OFF	The functionality Bus Command timer is deactivated. The local operation is blocked permanently (factory setting)	CIF-/IF-Module internal;
2	SET	This signal start a lockout time for the local pump operation. The lockout time may be adjustable, depending on the communication system.	CIF-/IF-Module internal;
3	ACTIVE	This signal indicates that the lockout time is active.	CIF-/IF-Module internal;
4	RESET	This signal indicates that the lockout time which was started with the signal "Bus Command Timer SET" has elapsed. Local operation of the device is possible, the write to the device over the communication link is blocked.	CIF-/IF-Module internal;
5	MANUAL	This signal indicates that the local as well as the remote operation is possible. The commands are accepted according "last write wins".	CIF-/IF-Module internal;
6	SET_PRESET	This signal start a lockout time for the local pump operation. The lockout time may be adjustable, depending on the communication system. After the lockout time has elapsed, PRESET values are used for operation.	CIF-/IF-Module internal;
7	ACTIVE_PRESET	This signal indicates that the lockout time which was started with the signal "Bus Command Timer SET_PRESET" is currently active. After the lockout time has elapsed, PRESET values are used for operation.	CIF-/IF-Module internal;
8	RESET_PRESET	This signal indicates that the lockout time which was started with the signal "Bus Command Timer SET" has elapsed. Local operation of the device is possible, the write to the device over the communication link is blocked. When this signal becomes active, PRESET values are set once for operation.	CIF-/IF-Module internal;
9	MANUAL_PRESET	This signal indicates that the local as well as the remote operation is possible. The commands are accepted according "last write wins". When this signal becomes active, PRESET values are loaded once.	CIF-/IF-Module internal;