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Yale Locks

NTT610/620 Z-Wave Plus System Integrators Guide

Yale NexTouch Exit Rim Trim

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Yale Z-Wave Plus Product Info

Manufacturer ID: Assa Abloy (0x0129)

Z-Wave Device Type: Door Lock Keypad

Z-Wave Role Type: Listening Sleeping Slave (LSS)

Product ID: 0x1200

Product Type ID:

0x8009 – NTT610-ZW2 (Pushbutton Exit Device)

Or

0x800A – NTT620-ZW2 (Touch Screen Exit Device)

Supported Command Classes

Command Class Z-Wave Plus Info
Command Class Manufacturer Specific
Command Class Security
Command Class Device Reset Locally
Command Class Power Level
Command Class Version
Command Class Battery*
Command Class Door Lock*
Command Class Door Lock Logging*
Command Class Schedule Entry Lock*
Command Class User Code*
Command Class Time Parameters*
Command Class Time*
Command Class Association*
Command Class Association Group Info*
Command Class Notification*
Command Class Configuration*
Command Class Firmware Update Md*
* Command Class Requires Security

Association Table

Group ID	Maximum Nodes	Description	Commands
1	1	Lifeline	Command_Class_Battery, Battery_Report ; Command_Class_Notification, Notification_Report;

			Command_Class_Configuration, Configuration_Report; Command_Class_Device_reset_locally, Device_Reset_locally_notification

Notifications Table

Alarm Reports	***Alarm type***	***Alarm Level***	***Description***
Master Code changed.	0x70	0x00	Master code was changed at keypad
		0xFB	Master code was changed over RF
User added		0x(01-max users)	User added. Alarm level = user slot number
User deleted	0x21	0x(01-max users)	User was deleted. Alarm level = user slot number
Tamper Alarm	0xA1	0x01	keypad attempts exceed code entry limit
		0x02	front escutcheon removed from main
RF Operate Unlock	0x19	0x01	by RF module
Manual Unlock	0x16	0x01	By key cylinder or inside thumb turn
Keypad Unlock	0x13	0x(01-max users)	Where Alarm level represents user slot number (0xFB = Master Code)
Manual Lock	0x15	0x01	by key cylinder or inside thumb-turn
		0x02	by touch function (lock and leave)
		0x03	By inside button
RF Operate Lock	0x18	0x01	by RF module
Keypad Lock	0x12	0x (01 – max users)	Where Alarm level represents user slot number
Non Access	0x26	0x(01-max users)	A Non Access Code was entered at the lock. Where alarm level represents user slot number
Jammed	0x09	0x01	Jammed while locking
		0x02	Jammed while unlocking
Low Battery Alarms**	0xA9	0x (Current %)	Too Low to operate (Starting at 4.6V)
	0xA8	0x (Current %)	Critical Battery Level (Starting at 4.8V)
	0xA7	0x (Current %)	Low Battery (Starting at 5V)
Auto Lock Operate Locked	0x1B	0x01	Auto re-lock cycle complete, locked.

Duplicate Pin-code error	0x71	0x (01-max users)	Where Alarm level represents user slot number Alarm generated in response to add user RF cmd. This alarm is not generated when attempting to add duplicate pin at the keypad. The lock simply denies it and plays the "Denied". Trying to duplicate the master code will result in a 0x71 0x00 alarm report.
RF Module Power Cycled	0x82	0x00	Power to RFM was restored, sent by RF module. The lock doesn't send any alarm to the RF module when power is cycled.
Disabled user entered at keypad	0x83	0x(01-max users)	A disabled user pin code was entered at the keypad
Valid user but outside of schedule	0x84	0x(01-max users)	A valid user can be both a normal user and a Non-Access user. If a non-access user is out of schedule this alarm will be sent instead of the non-access alarm.
Door Position Sensor (Optional Hardware Required)	0x2B	0x00	Door Opened
		0x01	Door Closed
		0x02	Door Propped (Door Open for longer than configurable door propped time)
Daily Repeating Schedule Set/Erased	0x60	0x(01-max users)	Schedule(s) has been set/erased for specified user ID
Daily Repeating Schedule Enabled/Disabled	0x61	0x(01-max users)	Schedule(s) has been enabled/disabled for specified user ID
Year Day Schedule Set/Erased	0x62	0x(01-max users)	Schedule(s) has been set/erased for specified user ID
Year Day Schedule Enabled/Disabled	0x63	0x(01-max users)	Schedule(s) has been enabled/disabled for specified user ID
All Schedule Types Erased	0x64	0x(01-max users)	Schedule(s) has been set/erased for specified user ID
All Schedule Types Enabled/Disabled	0x65	0x(01-max users)	Schedule(s) has been enable/disabled for specified user ID

** - The Yale NexTouch Exit Rim Trim locks also supports a 3rd low battery alarm, too low to operate. This alarm is sent out as a Battery Report (with value = 0xFF) through the Battery Command Class. This is the last low battery alarm level before the product stops functioning.

Configurable Parameters

Configuration Parameters	***Parameter Number***	***Size***	***Description***
Silent mode on/off	1	1 byte	Level control, 1 = High Volume, 2 = Low Volume, 3 = Silent. **Default is 2 or Low Volume**
Auto Relock on/off	2	1 byte	**0x00 = OFF**, 0xFF = ON **default is 0x00 or OFF**
Auto Relock time	3	1 byte	10 to 180 seconds **default is 30 seconds**
Wrong Code Entry Limit	4	1 byte	3 to 10 **default is 5 times**
Language	5	1 byte	1=English, 2=Spanish, 3=French **default is 1= English**
Shut down time (after wrong code entries)	7	1 byte	10 to 180 seconds **default is 60 seconds**
Operating mode	8	1 byte	**00 = normal mode (this is the default mode)** 01 = vacation mode, keypad lockout 02= privacy mode, no keypad. RF Unlock will work
One Touch Locking	11	1 byte	0x00 = OFF, 0xFF = ON **default is 0xFF or ON.**
Privacy Button	12	1 byte	0x00 = OFF, 0xFF = ON default is 0x00 or OFF
Lock Status LED	13	1 byte	0x00 = OFF, 0xFF = ON **default is 0x00 or OFF.**
Reset To Factory Defaults	15	1 byte	01 = Lock will execute Reset To Factory. **No default value**
Door Propped Timer***	18	1 byte	10 to 2540 second. This value is represented as seconds X 10. (ie a value of 4 would mean a door propped timer of 40 seconds) Set to 0x00 to disable Door Propped Alarm. **Default = 0x00 (off)**
DPS Alarms***	19	1 byte	0x00 = OFF, 0xFF = ON **Default is 0x00 or off.** Used to enable/disable door condition alarms for locks that support a door position sensor. Any lock that does not support DPS will always report 0x00.
Eco Mode On/Off	21	1 byte	**0x00 = OFF**, 0xFF = ON **default is 0x00 or OFF** If supported switches lock to lower power mode of operation with reduced sound and led brightness.

*** - Additional hardware required. These parameters are only active if the optional Door Position Switch has been installed with the lock.