DYMEC

Version 3.0

Quick Installation Guide

KY-Dongle Series

Industrial Backup Maintenance Device

Introduction

The KY-Dongle is a stand-alone data backup unit requiring no PC and no power. It will backup/restore the configurations of DYMEC's devices without using any PCs or notebook PCs. It is powered by the console port RS-232 without external power supply needed. Data upload and download can be easily performed using the DIP switch - 1 Button design. It is equipped with Crypto-Linkage technology.

Package Contents

The device is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance.

Contents	Pictures	Number
KY-Dongle Series with CryptoLock		X 1
Quick Installation Guide		X 1

Preparation

Before you begin installing the switch, make sure you have read through the following instructions.

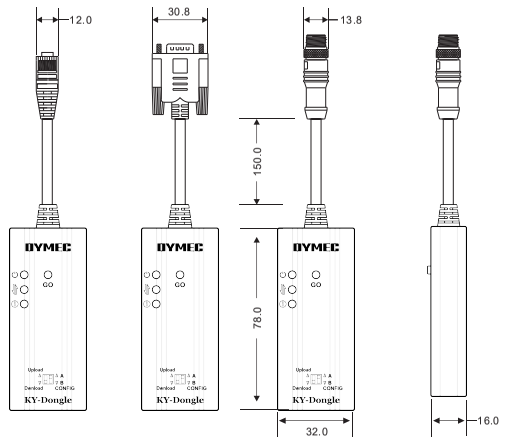
- **Safety Notifications:**

The device is not water-proof. Keep the device away from liquid during operation.

The device only operates with specific DYMEC switches, APs, and ARs. Please refer to the datasheet for compatible models.

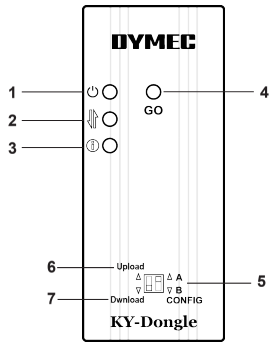
The device comes with different connectors (RJ45, DB9, and M12), depending on the models you purchase. Please connect the device to the network equipment with matched connectors.

- **Dimensions (Unit=mm)**



- **Panel Layouts**

Front View



1. Power indicator
2. Data upload/download status LED
3. Status indicator
4. Start button
5. Config Location (A & B)
6. Data upload function
7. Data download function

Installation & Operation

Follow the steps below to install the device to the switch and upload or download data.

1.Insert the cable of the KY-Dongle to the console port of the corresponding network device.

2.When connected, check if the power LED lights up. If not, make sure the connected network device is turned on.

3.Once the green power LED on the KY-Dongle is on, press the GO button and set the dip switch for upload or download button to restore or back up configurations.

4.You can use the Config switch to back up or restore configurations from or to another network device after you complete the process with the first device.

Configurations

After connecting the device to the switch, AP, or AR, the green power LED will light up. You need to press GO button before uploading/downloading data. Please refer to the following tablet for LED indication.

LED	Color	Status	Description
	Green	On	Power is on
	Amber	Blinking	Transmitting data
	Green	On	Data Transmission succeeds
	Red	On	Data Transmission fails

Specifications

DYMEC MODEL	KY-Dongle-DB9 with Crypto-Linkage	KY-Dongle-RJ45 with Crypto-Linkage	KY-Dongle-M12 with Crypto-Linkage
Physical Ports			
Connector	DB9	RJ-45	M12(5pin A-coding)
Switch	2 pole DIP switch		
LED indicators			
Power indicator	1 x LED, Green On : Power is on and device is ready		
Transmit indicator	1 x LED, Amber blinking : data transmitting.		
Status indicator	1 x LED, Green On : Data transmission succeeds Red On : Data transmission failed		
Power			
Power Input	5~12VDC (via RS-232 RTS signal)		
Physical Characteristic			
Enclosure	IP-40, PC molding		
Dimension (W x D x H)	32(W)x16(D)x78(H)mm (1.25 x 0.63 x 3.1 inch.) (cable length: 172mm)		
Weight (g)	53g	33g	43g
Environmental			
Storage Temperature	-40 to 85°C (-40 to 185°F)		
Operating Temperature	-40 to 85C (-40 ~ 185°F)		
Operating Humidity	5% to 97% Non-condensing		
Regulatory Approvals			
EMI	FCC Part 15, CISPR (EN55022) class A		
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11		
Warranty	3 years		

DYMEC
AMERICAN INDUSTRIAL
Industrial Ethernet Networks for SCADA, Traffic, Sub-Stations, Transportation & Public Safety

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