# **Supervisory and E2E Controller**

# Weather ADF and DSC Installation

### Overview

This document explains how to install the Weather Extension Module onto Supervisory and E2E controllers.

# Weather ADF and DSC Versions

ADF and DSC Names	Controller Type	Supported Versions
531-0300.adf	E3/Site Supervisor	2.16F02 and later
527-0901.dsc	E2E	4.01 and later

### Connect+ API Deployment







### Installing the Weather Extension Module - ADF (Supervisory Controllers)

An ADF is an Application Description File. Contact your Sales representative or Customer Service to obtain the Weather ADF. This can be uploaded on a Supervisory controller using the File Management screen. A license key is NOT required to activate the single instance application after the ADF has been uploaded. Email: **ColdChain.CustomerService@copeland.com** 

#### **Prerequisites**

You will need the following:

1. The Weather Extension Module built for your version of Supervisory controller firmware.

### Installation Steps

#### Step 1 - Obtain ADF and License

Obtain the correct ADF for the Supervisory controller firmware version on the target unit.

#### Step 2 - Installing ADF

Install the Weather Extension Module ADF onto the Supervisory controller using the **Install ADF File** button and upload the features of the Supervisory controller.

- 1. First, go to the gear icon 🖸 > Configure System> File Management & Licensing> Install ADF File button.
- 2. Click Install ADF File then click Select.

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nagement a	& Licensi	ing - (00-	0A-F6-8	1-E9-75	i)					
Backup		Resto	ore	l	Jpgrade Fir	mware	Install ADF File	Feature File Upload	License Management	Install Flo
ns Already	Installed									
Name O	of Floorpla	an 🗢								
ULO1 O	verview									
	agement ackup Is Already Name C	Aready Installed Name Of Floorpl ULO1 Overview	Image: Constraint of the second se	Image: Constraint of the second se	←    Hagement & Licensing - (00-0A-F6-81-E9-75   Hagement & Licensing -	←	←    Hagement & Licensing - (00-0A-F6-81-E9-75)   Backup   Restore   Upgrade Firmware   Ins Already Installed   Name Of Floorplan ©   ULO1 Overview			Image: Control



### Step 3 - Browsing for the ADF on PC

1. Select the ADF on your PC. (For this example, Indigo\_Ice.adf is used).



2. Click Install then confirm OK.





### Step 4 - Loading the ADF

1. Once the ADF loads, click **Reset** then **OK** to reset system.





## Installing the Weather Extension Module - DSC (E2E Controllers)

A DSC is an Description File. Contact your Sales representative or Customer Service to obtain the Weather DSC. The DSC can be uploaded on an E2E controller using UltraSite. A license key IS required to activate the single instance application after the DSC has been uploaded. Email: **ColdChain.CustomerService@copeland.com** or contact Copeland Customer Service.

#### **Prerequisites**

You will need the following:

1. The Weather Extension Module built for your version of Supervisory controller firmware.

### Installation Steps

### Step 1 - Obtain DSC and License

Obtain the correct DSC for the Supervisory controller firmware version on the target unit.

#### STEP 2: Upload the Description (.dsc) File (xxx-xxxx) to the E2E Controller

- 1. Select the controller in UltraSite.
- 2. Right-click the controller and select Upload Description File:



Figure 1 - Upload .dsc File

3. Select **Browse** to go to location where the description (.dsc) file was saved:

E2 Description File Upload	X
To delete a file, first select from the list	
5270301. dsc 5270305. dsc 5270305. dsc 5270307. dsc 5270329. dsc 5270329. dsc 52703329. dsc 5270330. dsc 5270331. dsc 5270344. dsc 5270361. dsc 5270361. dsc 5270368. dsc	E
FILE - Click. Browse to select the file to upload	Browse
Upload Remove	Close

Figure 2 - Locate.dsc File

4. Select the desired description (.dsc) file and click **Open:** 

Organize 🔻 New folder				855 🔻	
🔆 Favorites 📃 Desktop		Documents libra Includes: 2 locations	ary	Arrange by:	Folder 🔻
〕 Downloads 📃 Recent Places		Date modified	Name Updater		
🧊 Libraries		퉲 11/22/2016 4:47 PM 퉲 5/11/2015 6:03 PM	Walmart Wegmans		
Documents		퉬 7/29/2016 9:01 AM	Wireless		
🚽 Music		퉲 6/4/2014 11:21 AM	WR Tstat		
Pictures		퉬 6/4/2014 11:21 AM	X25		
🛃 Videos		) 11/22/2016 4:54 PM	XEV32		
	1	11/22/2016 4:35 PM	XM		
Normal Computer	•	1/5/2017 9:32 AM	5270472		
🏭 OS (C:)		6/8/2016 10.07 PM	ultrasite (rssi	rep01) (X) - Shortcu	ıt
🖵 apps (\\ersndustken) (N:)	-	•			•

Figure 3 - Select .dsc File and Import

5. Right-click the controller. Under **Service Actions**, select **Reset Unit** to reboot. The controller must be rebooted to see the description (.dsc) file:



6. After the controller reboots, in the navigation tree, go to **Device Setup>Network Board Setup** to add the device:



Figure 5 - Network/Board Setup

#### 7. Select Add Ctr/IO to add a device:

Name	Туре	Network Addre	SS	Revision	Status
E2 Unit01	RX400-Refrig	Ethernet:	1	4.07F01	This Controller
16AI_001	16AI	IONet-1:	1	0.00	Offline
XR75CX_56001	XR75CX_56	MODBUS-2:	0	0.00	No Port
XEV22D_11001	XEV22D_11	MODBUS-2:	0	0.00	No Port
XEV22D_11002	XEV22D_11	MODBUS-2:	0	0.00	No Port
XM678D_25001	XM678D_25	MODBUS-2:	0	0.00	No Port
XM678D_25002	XM678D_25	MODBUS-2:	0	0.00	No Port
XC1011D_15001	XC1011D_15	MODBUS-2:	0	0.00	No Port
XC1011D_15002	XC1011D_15	MODBUS-2:	0	0.00	No Port
XM679K_34001	XM679K_34	MODBUS-2:	0	0.00	No Port
XM679K_34002	XM679K_34	MODBUS-2:	0	0.00	No Port
XM670K_34001	XM670K_34	MODBUS-2:	0	0.00	No Port
XM670K_34002	XM670K_34	MODBUS-2:	0	0.00	No Port
XC1011D_16001	XC1011D_16	MODBUS-2:	11	1.06-00	Online
YC1011D 16002	YC1011D 16	MODRIIS-2.	n	0.00	No Port

Figure 6 - Adding the Device

8. Select the **ECT Devices** tab and select the desired device. Enter the number of devices and set up the Com port address and commission the devices as usual:

Controller Network	I/O Boards and Controllers Associated	With This Controlle	er	×	<u> </u>
Name E2 Unit02 XM679K_4200	Unit Name: E2 Unit02 Unit I	Number: 8		OK Cancel	
	Board Type	Quantity	Max		
	XEV22D_11	0	99		
	XEV22D_15	0	99		
	XJ Scroll Unit	0	16		
	XM670K_13	0	99		
	XM670K_34	0	99		
	XM678D_20	0	99		
	XM678D_25	0	99		
	XM679K_13	0	99		
	XM679K_34	0	99		
	XM679K_42	1	99		
	XR35CX_56	0	99		
	XR75CX Case Display	0	99		
- Status	XR75CX_56	0	99		
	iProDAC	0	0		
				•	

Figure 7 - ECT Tab - Add Number of Devices

# License Key Installation

When licensed products are purchased from Copeland, the customer provides Copeland with (1) the types of features to be purchased, (2) the quantity of features to be purchased, and (3) the unique MAC address of each controller in which the features will be enabled. Copeland then returns the customer a report that contains a set of 16-character license keys and if necessary one or more description files that must be loaded into the E2 to allow the selected devices to communicate with the E2.

### Installation Steps

License keys must be entered from the front panel of the E2, or by using UltraSite32 or Connect+ in Terminal Mode.

- 1. Press <sup>log mout</sup> and enter your username and password. You must be level 4 or above to enter a license key.
- 2. After logging in, press + and check that the MAC Address field on the TCP/IP screen (*Figure 1*) matches the MAC address in the report given to you from Copeland. The license key will not work unless the MAC address matches exactly. If the MAC address matches, go to *step 3*.



Figure 8 - MAC Address Screen

3. Press , <sup>2</sup>, <sup>3</sup> to access the License Manager Screen (*Figure 2*).

89-86-85 🔹 🤭 📖	BX-400 Unit 1 💼 Add License	INS	13:58:29 <mark>*Alarm*</mark>
Licensed Features For controller mod Feature	- 09/06/2005 - 13:58:24 - Rev: 2.20012 lel type: BX-400 Maximum In-Use License		
GEN LON Denand Limit Conti Flexible Combiner Log Group CarrierOne ARTC/RTU Nose5 HUNG Zone Analog Sensor Ctr Loop/Sequence Ctr Digital Sensor Ctr RCB Lighting Control Trane SCC	Activate Feature Enter License key to activate a Feature:  48 1 1 1		
Air Handling Unit	8 1		
Analog Import Poir Analog Import Poir	nt 04 9 It 64 9		
Enter desired text			
		F5:	CANCEL

### Figure 9 - Add License Screen

- 4. Press **F1** to access the Activate Feature box.
- 5. Enter the 16-character license key in the blanks provided.

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6. If entered correctly, the message at the bottom of the Add Feature box should read Feature Activated. Press to exit and save.

If the key is incorrect, the message will read Feature Unknown or Invalid Key" - double-check that the key was entered correctly and the MAC address matches the one specified in the report.

Repeat steps 1 through 6 for each license key to be entered for this E2.

### Rebooting to Complete License Key Activation

09-01-05 🔹 🧖 🔟	BX-400 Unit 1 LICENSE REPORT	Â	16:31:54 INS *ALARM*
TD Control	28	5	
HVAC Simulation	16	5	
Conversion Cell	128	5	
Holiday Schedule	64	5	
Anti-Sweat Control	48	5	
Heat/Cool Control	32	5	
16AI	16	5	
8R0	32	5	
8D0	16	5	
440	16	5	
Echelon 16AI	32	5	
Echelon 8R0	16	5	
Digital Combiner	128	5	
Pulse Accumulation	64	5	
LonWorks Network	No Limit	5	
Ethernet Network	No Limit	5	
Color Display	No Limit	5	
Web Services	No Limit	5	3BBC-FE91-E504-1623
Lennox IMC	31	5	8B9F-075E-1921-FD7A
Power Monitoring	64	5	
IRLDS	16	5	
Analog Combiner	128	9	
Lines 23 to 44 of 44			
F1: ADD FFATURE			

Figure 10 - Viewing Licenses

Visit our website at copeland.com/en-us/products/controls-monitoring-systems for the latest technical documentation and updates. For Technical Support call 833-409-7505 or email ColdChain.TechnicalServices@Copeland.com

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