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Device Categories and Product Keys

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Change Log

Date	Description	Author
20060508a	Separated from INSTEON Conformance Spec.	Paul Darbee
20060511a	Kept only currently defined products in table.	Paul Darbee
20060516a	Updated title page, added watermark.	Paul Darbee
20060606a	Updated document properties, made TOC hyperlinked.	Paul Darbee
20060619a	Released for internal review.	Paul Darbee
20060715a	Added 0x03 0x05 Powerline Modem	Paul Darbee
20060715a	Added 0x05 0x02 Exhaust Fan SwitchLinc Relay (110 cfm)	Paul Darbee
20060719a	Released as draft specification	Paul Darbee
20060731	Added DevCats & Device Keys for Balboa Instruments' Products.	JTL
20060801	Added DevCat 0x0E 0x00 for & Device Key 0x00000B for Somfy Drape Controller RF Bridge.	JTL
20060814	Added Device Key 0x00000C for SmartLabs' Power Line Modem plug-in module (2412PS). Added DevCat 0x05 0x06 for & Device Key 0x00000D for SmartLabs' PowerLinc Ethernet.	JTL
20060914	Added DevCats & Device Keys Weiland Doors' products	JTL
20061013	Added DevCats & Device Keys for Compacta International products.	JTL
20061013	Added and updated SmartLabs' products	JTL
20061114	Added DevCat & Device Key for Venstar RF Thermostat Modules	JTL
20061129	Added DevCat & Device Key for OnSite Pro Water detection and control system	JTL
20061130	Compacta EZIO8T I/O Module changed to 0x07;0x02 (0x000012) Compacta EZIO3R I/O Module changed to 0x07;0x03 (0x000005)	JTL
20061214	Added and updated SmartLabs' products	JTL
20070118	Added Compacta thermostat Dev. Cat and Device Key	JTL
20070125	Added Energy Inc TED Measuring Transmitting Unit (MTU) and a Receiving Display Unit (RDU)	JTL
20070130	Updated name of Compacta Thermostat to EZThermx	JTL
20070314	Assigned DevCat and Device Key for First Alert Insteon Bridge 0x10;0x00 (0x000027)	JTL
20070320	Assigned DevCat and Device Key for IES Color Touchscreen 0x00;0x0C (0x000028)	JTL
20070409	Assigned DevCat and Device Key for SHD ApplianceLinc Timer 0x02;0x07 (0x000029)	JTL
20070409	Assigned DevCat and Device Key for SHD Power Line Modem - USB 0x03;0x0B (0x000030)	JTL
20070430	Assigned DevCat and Device Key for SHD PLM Alert - Serial 0x03;0x0C (0x000031)	JTL
20070514	Assigned DevCat and Device Key for Lixar/Bell Canada ICON Dimmer 0x01;0x13 (0x000032) and relay 0x02;0x13 (0x000033)	JTL
20070709	Assigned DevCat and Device Key for SimpleHomeNet EZX10RF 0x03;0x0D (0x000035)	JTL
20070716	Assigned Device Key KeypadLinc Dimmer (0x000037) & Relay (0x000036)	JTL
20070824	Updated product names for Energy Inc. devices. Added new products	JTL
20070917	Assigned DevCat and Device Key for X10 TW523 Translator 0x03;0x0E (0x00002C)	JTL

20071004	Assigned DevCat and Device Key for Broan, Venmar, BEST Rangehood products 0x05;0x05 (0x000038)	JTL
20071008	Assigned DevCats and Device Keys for SimpleHomeNet products: 0x00, 0x08 0x00003D EZBridge/EZServer 0x02, 0x11 0x00003C EZSwitch30 0x03, 0x0F 0x00003B EZX10IR 0x07, 0x07 0x000039 EZIO6I 0x07, 0x08 0x00003A EZIO4O	JTL
2071023	Added Cats and Dev Keys for Icon verison of Inline modules	JTL
20071026	Added Cats and Dev Keys for SwitchLinc Count-down timer Dimmer	JTL
20071112	Added Cats and Dev Keys for ICON KeypadLinc Dimmer Countdown Timer	JTL
20071126	Added Cats and Dev Keys for 8-button defaulted KeypadLinc Dimmer and Relay models	JTL
20071227	Added Cats and Dev Keys for Broan SmartSense Make-up Damper 0x05, 0x06, 0x000043	JTL
20080311	Added Cat and Dev Key for NetLinc module 0x03 0x10	JTL
20080404	Updated name of SmartLabs products	JTL
20080519	Added Cat and Dev Key for InLine Relay with sense 0x02, 0x14, 0x000045	JTL
20080605	Added Cat and Dev Key for PLM Serial BiPhy 0x03, 0x11, 0x000046	JTL
20080626	Added Cat and Dev Key for ES SwitchLinc Relay with Sense 0x02, 0x15, 0x000047	JTL
20080708	Added Cat and Dev Keys for: 0x02,0x06, 0x000048; Outdoor ApplianceLinc [2456S3E] 0x10,0x01, 0x00004A; Motion Sensor [2420M] 0x10,0x02, 0x000049; ContactLinc (Door / Window Sensor) [2421] 0x01,0x0E, 0x00004B; LampLinc Dimmer, Dual-Band [2457D3]	JTL
20080805	Added Cat and Dev Keys for: 0x00, 0x0D, 0x00004D SmartLabs KeyFOB [????] 0x03, 0x12, 0x00004C RF Modem Card [new smaller board]	JTL
20080805b	Exchange Device Keys between Motion Sensor and Door/Window sensor	JTL
20080825a	Added Cat and Dev Keys for: 0x01, 0x19, 0x00004E SwitchLinc 800W 0x01, 0x1A, 0x00004F In-LineLinc Dimmer with Sense [2475D2]	JTL
20080904	Added Cat and Dev Keys for: 0x01, 0x1B, 0x000050 KeypadLinc 6-button Dimmer [2488DWH6] 0x01, 0x1C, 0x000051 KeypadLinc 8-button Dimmer [2488DWH8]	JTL
20080912	Added Cat and Dev Keys for: 0x01, 0x1D, 0x000052 SwitchLinc 1200W	JTL
20081002	Added Cat and Dev Keys for: 0x03 0x13, TBD PowerLinc USB – HouseLinc 2 enabled [2412UH] 0x03 0x14 TBD PowerLinc Serial – HouseLinc 2 enabled [2412SH] Updated SmartLinc name	CNK
20081008	Added Product keys for 0x03 0x13, 0x000053 PowerLinc USB – HouseLinc 2 enabled [2412UH] 0x03 0x14 0x000054 PowerLinc Serial – HouseLinc 2 enabled [2412SH]	CNK

1 Introduction

This document lists all currently defined INSTEON Device Categories (DevCats), Device Subcategories (SubCats), and INSTEON Product Keys. Although maintained as a separate document, it is part of the full document entitled *INSTEON Conformance Specification*. Refer to that document for more information.

2 Currently Defined INSTEON Device Categories

Currently defined DevCats are given in the following table.

Dev Cat #	Device Category Name	Examples of Devices
0x00	Generalized Controllers	ControLinc, RemoteLinc, SignaLinc, etc.
0x01	Dimmable Lighting Control	Dimmable Light Switches, Dimmable Plug-In Modules
0x02	Switched Lighting Control	Relay Switches, Relay Plug-In Modules
0x03	Network Bridges	PowerLinc Controllers, TRex, Lonworks, ZigBee, etc.
0x04	Irrigation Control	Irrigation Management, Sprinkler Controllers
0x05	Climate Control	Heating, Air conditioning, Exhausts Fans, Ceiling Fans, Indoor Air Quality
0x06	Pool and Spa Control	Pumps, Heaters, Chemicals
0x07	Sensors and Actuators	Sensors, Contact Closures
0x08	Home Entertainment	Audio/Video Equipment
0x09	Energy Management	Electricity, Water, Gas Consumption, Leak Monitors
0x0A	Built-In Appliance Control	White Goods, Brown Goods
0x0B	Plumbing	Faucets, Showers, Toilets
0x0C	Communication	Telephone System Controls, Intercoms
0x0D	Computer Control	PC On/Off, UPS Control, App Activation, Remote Mouse, Keyboards
0x0E	Window Coverings	Drapes, Blinds, Awnings
0x0F	Access Control	Automatic Doors, Gates, Windows, Locks
0x10	Security, Health, Safety	Door and Window Sensors, Motion Sensors, Scales
0x11	Surveillance	Video Camera Control, Time-lapse Recorders, Security System Links
0x12	Automotive	Remote Starters, Car Alarms, Car Door Locks
0x13	Pet Care	Pet Feeders, Trackers
0x14	Toys	Model Trains, Robots
0x15	Timekeeping	Clocks, Alarms, Timers
0x16	Holiday	Christmas Lights, Displays
0x17 $\Rightarrow$ 0xFE	Reserved	
0xFF	Unassigned	For devices that will be assigned a DevCat and SubCat by software

3 Current Table of Device Categories, Device Subcategories, and Product Keys

The following table gives examples of devices that belong to the various Device Categories (DevCats). Devices that are already developed or under development also have a Subcategory (SubCat) defined.

Model numbers (if known) are given in square brackets.

The table also gives INSTEON Product Keys (IPKs) that have been assigned. Legacy products that did not have an IPK defined at the time of manufacture are marked *Legacy*. IPKs are assigned sequentially. **When assigning new IPKs, note the *Last IPK Assigned* and update accordingly.**

Last IPK Assigned
0x000052

Dev Cat	Device Category Name	Sub Cat	Product Key	Device Description [Model]
0x00	**Generalized Controllers** ControLinc, RemoteLinc, SignaLinc, etc.	0x04	Legacy	ControLinc [2430]
		0x05	0x000034	RemoteLinc [2440]
		0x06	Legacy	Icon Tabletop Controller [2830]
		0x08	0x00003D	EZBridge/EZServer
		0x09	Legacy	SignaLinc RF Signal Enhancer [2442]
		0x0A	0x000007	Balboa Instrument's Poolux LCD Controller
		0x0B	0x000022	Access Point [2443]
		0x0C	0x000028	IES Color Touchscreen
		0x0D	0x00004D	SmartLabs KeyFOB [????]
0x01	**Dimmable Lighting Control** Dimmable Light Switches, Dimmable Plug-In Modules	0x00	Legacy	LampLinc V2 [2456D3]
		0x01	Legacy	SwitchLinc V2 Dimmer 600W [2476D]
		0x02	Legacy	In-LineLinc Dimmer [2475D]
		0x03	Legacy	Icon Switch Dimmer [2876D]
		0x04	Legacy	SwitchLinc V2 Dimmer 1000W [2476DH]
		0x05	0x000041	KeypadLinc Dimmer Countdown Timer [2484DWH8]
		0x06	Legacy	LampLinc 2-Pin [2456D2]
		0x07	Legacy	Icon LampLinc V2 2-Pin [2856D2]
		0x08	0x000040	SwitchLinc Dimmer Count-down Timer [2484DWH8]
		0x09	0x000037	KeypadLinc Dimmer [2486D]
		0x0A	Legacy	Icon In-Wall Controller [2886D]
		0x0B	0x00001C	Access Point LampLinc [2458D3]
		0x0C	0x00001D	KeypadLinc Dimmer – 8-Button defaulted mode [2486DWH8]
		0x0D	0x00001E	SocketLinc [2454D]
		0x0E	0x00004B	LampLinc Dimmer, Dual-Band [2457D3]
		0x13	0x000032	ICON SwitchLinc Dimmer for Lixar/Bell Canada [2676D-B]
		0x17	Legacy	ToggleLinc Dimmer [2466D]
		0x18	0x00003F	Icon SL Dimmer Inline Companion [2474D]
		0x19	0x00004E	SwitchLinc 800W
		0x1A	0x00004F	In-LineLinc Dimmer with Sense [2475D2]
		0x1B	0x000050	KeypadLinc 6-button Dimmer [2486DWH6]

Dev Cat	Device Category Name	Sub Cat	Product Key	Device Description [Model]
		0x1C	0x000051	KeypadLinc 8-button Dimmer [2486DWH8]
		0x1D	0x000052	SwitchLinc Dimmer 1200W [2476D]
0x02	**Switched Lighting Control** Relay Switches, Relay Plug-In Modules	0x05	0x000042	KeypadLinc Relay – 8-Button defaulted mode [2486SWH8]
		0x06	0x000048	Outdoor ApplianceLinc [2456S3E]
		0x07	0x000029	TimerLinc [2456ST3]
		0x08	0x000023	OutletLinc [2473S]
		0x09	Legacy	ApplianceLinc [2456S3]
		0x0A	Legacy	SwitchLinc Relay [2476S]
		0x0B	Legacy	Icon On Off Switch [2876S]
		0x0C	Legacy	Icon Appliance Adapter [2856S3]
		0x0D	Legacy	ToggleLinc Relay [2466S]
		0x0E	Legacy	SwitchLinc Relay Countdown Timer [2476ST]
		0x0F	0x000036	KeypadLinc On/Off Switch [2486SWH6]
		0x10	0x00001B	In-LineLinc Relay [2475D]
		0x11	0x00003C	EZSwitch30 (240V, 30A load controller)
		0x12	0x00003E	Icon SL Relay Inline Companion
		0x13	0x000033	ICON SwitchLinc Relay for Lixar/Bell Canada [2676R-B]
		0x14	0x000045	In-LineLinc Relay with Sense [2475S2]
		0x15	0x000047	SwitchLinc Relay with Sense [2476S2]
0x03	**Network Bridges** PowerLinc Controllers, TRex, Lonworks, ZigBee, etc.	0x01	Legacy	PowerLinc Serial [2414S]
		0x02	Legacy	PowerLinc USB [2414U]
		0x03	Legacy	Icon PowerLinc Serial [2814 S]
		0x04	Legacy	Icon PowerLinc USB [2814U]
		0x05	0x00000C	SmartLabs PowerLinc Modem Serial [2412S]
		0x06	0x000016	SmartLabs IR to Insteon Interface [2411R]
		0x07	0x000017	SmartLabs IRLinc - IR Transmitter Interface [2411T]
		0x08	0x000018	SmartLabs Bi-Directional IR -Insteon Interface
		0x09	0x000019	SmartLabs RF Developer's Board [2600RF]
		0x0A	0x00000D	SmartLabs PowerLinc Modem Ethernet [2412E]
		0x0B	0x000030	SmartLabs PowerLinc Modem USB [2412U]
		0x0C	0x000031	SmartLabs PLM Alert Serial
		0x0D	0x000035	SimpleHomeNet EZX10RF
		0x0E	0x00002C	X10 TW-523/PSC05 Translator
		0x0F	0x00003B	EZX10IR (X10 IR receiver, Insteon controller and IR distribution hub)
		0x10	0x000044	SmartLinc 2412N INSTEON Central Controller
		0x11	0x000045	PowerLinc - Serial (Dual Band) [2413S]
		0x12	0x00004C	RF Modem Card [new smaller board]
		0x13	0x000053	PowerLinc USB – HouseLinc 2 enabled [2412UH]
		0x14	0x000054	PowerLinc Serial – HouseLinc 2 enabled [2412SH]
0x04	**Irrigation Control** Irrigation Management, Sprinkler Controllers	0x00	0x000001	Compacta EZRain Sprinkler Controller
0x05	**Climate Control** Heating, Air conditioning, Exhausts Fans, Ceiling Fans, Indoor Air Quality	0x00	Legacy	Broan SMSC080 Exhaust Fan
		0x01	0x000002	Compacta EZTherm
		0x02	Legacy	Broan SMSC110 Exhaust Fan
		0x03	0x00001F	INSTEON Thermostat Adapter [2441V]
		0x04	0x000024	Compacta EZThermx Thermostat
		0x05	0x000038	Broan, Venmar, BEST Rangehoods
		0x06	0x000043	Broan SmartSense Make-up Damper
0x06	**Pool and Spa Control** Pumps, Heaters, Chemicals	0x00	0x000003	Compacta EZPool
		0x01	0x000008	Low-end pool controller (Temp. Eng. Project name)

Dev Cat	Device Category Name	Sub Cat	Product Key	Device Description [Model]
		0x02	0x000009	Mid-Range pool controller (Temp. Eng. Project name)
		0x03	0x00000A	Next Generation pool controller (Temp. Eng. Project name)
0x07	**Sensors and Actuators** Sensors, Contact Closures	0x00	0x00001A	IOLinc [2450]
		0x01	0x000004	Compacta EZSns1W Sensor Interface Module
		0x02	0x000012	Compacta EZIO8T I/O Module
		0x03	0x000005	Compacta EZIO2X4 #5010D INSTEON / X10 Input/Output Module
		0x04	0x000013	Compacta EZIO8SA I/O Module
		0x05	0x000014	Compacta EZSnsRF #5010E RF Receiver Interface Module for Dakota Alerts Products
		0x06	0x000015	Compacta EZISnsRf Sensor Interface Module
		0x07	0x000039	EZIO6I (6 inputs)
		0x08	0x00003A	EZIO4O (4 relay outputs)
0x08	**Home Entertainment** Audio/Video Equipment			
0x09	**Energy Management** Electricity, Water, Gas Consumption, Leak Monitors	0x00	0x000006	Compacta EZEnergy
		0x01	0x000020	OnSitePro Leak Detector
		0x02	0x000021	OnSitePro Control Valve
		0x03	0x000025	Energy Inc. TED 5000 Single Phase Measuring Transmitting Unit (MTU)
		0x04	0x000026	Energy Inc. TED 5000 Gateway - USB
		0x05	0x00002A	Energy Inc. TED 5000 Gateway - Ethernet
		0x06	0x00002B	Energy Inc. TED 3000 Three Phase Measuring Transmitting Unit (MTU)
0x0A	**Built-In Appliance Control** White Goods, Brown Goods			
0x0B	**Plumbing** Faucets, Showers, Toilets			
0x0C	**Communication** Telephone System Controls, Intercoms			
0x0D	**Computer Control** PC On/Off, UPS Control, App Activation, Remote Mouse, Keyboards			
0x0E	**Window Coverings** Drapes, Blinds, Awnings	0x00	0x00000B	Somfy Drape Controller RF Bridge
0x0F	**Access Control** Automatic Doors, Gates, Windows, Locks	0x00	0x00000E	Weiland Doors' Central Drive and Controller
		0x01	0x00000F	Weiland Doors' Secondary Central Drive
		0x02	0x000010	Weiland Doors' Assist Drive
		0x03	0x000011	Weiland Doors' Elevation Drive
0x10	**Security, Health, Safety** Door and Window Sensors, Motion Sensors, Scales	0x00	0x000027	First Alert ONELink RF to Insteon Bridge
		0x01	0x00004A	Motion Sensor [2420M]
		0x02	0x000049	TriggerLinc - INSTEON Open / Close Sensor [2421]
0x11	**Surveillance** Video Camera Control, Time-lapse Recorders, Security System Links			
0x12	**Automotive** Remote Starters, Car Alarms, Car Door Locks			
0x13	**Pet Care** Pet Feeders, Trackers			

Dev Cat	Device Category Name	Sub Cat	Product Key	Device Description [Model]
0x14	**Toys** Model Trains, Robots			
0x15	**Timekeeping** Clocks, Alarms, Timers			
0x16	**Holiday** Christmas Lights, Displays			
0x17 ⇒ **0xFE**	**Reserved**			
0xFF	**Unassigned** For devices that will be assigned a DevCat and SubCat by software			