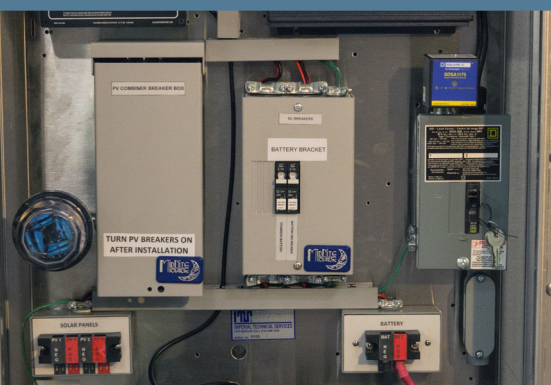




PRODUCTS-SPECIFICATIONS CATALOG

CONTROLLER ASSEMBLIES • SATELLITE ASSEMBLIES AND OPTIONS • REMOTE CONTROLS • FERTILIZER INJECTION SYSTEMS • SOLAR ASSEMBLY SYSTEMS



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INTRODUCTION

Thank you for using Imperial Technical Service's (ITS) Product and Specifications Catalog. This catalog has been arranged to provide you with the most comprehensive list of controller types and accessory options available today. Each section has been created to provide you with specific manufacturer's controller information to simplify the controller selection process and provide valuable details of each product's features.

Within the 25 sections of the catalog, the sections have been arranged alphabetically by major manufacturer and that specific manufacturer's accessory options. Below is a table of contents to better assist you in selecting controllers that best meet the need of the project or controllers that you may be familiar with or requested to use.

SECTION 1 Controller Assemblies – Options General

Pg. 1-20 Options that may be used for most all controllers (except where noted).

SECTION 2 Controller Assemblies – BaseLine™

Pg. 1-20 BaseLine™ Controllers for web based applications and features for two wire and conventional systems.

SECTION 3 Controller Assemblies – Baseline™ Options

Pg. 1-20 BaseLine™ Options that may be utilized specifically for these controllers.

SECTION 4 Controller Assemblies – Calsense®

Pg. 1-20 Calsense® ET3000 Controller including central communication applications and features.

SECTION 5 Controller Assemblies – Calsense® Options

Pg. 1-20 Calsense® ET3000 Options that may be utilized specifically for these controllers.

SECTION 6 Controller Assemblies – ET Water™

Pg. 1-20 ET Water™ 205W Controllers for web based applications.

SECTION 7 Controller Assemblies – ET Water™ Options

Pg. 1-20 Options that may be utilized specifically for ET Water including communication fees associated for accessing these systems.

SECTION 8 Controller Assemblies – Hunter®

Pg. 1-20 Hunter® ICC2, ACC2, ACC2 (225 Decoders), ICORE-M, ICORE-PL, Pro-HC, and HCC Controllers, PRO-C

INTRODUCTION (continued)

SECTION 9 Controller Assemblies – Hunter® Options

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Hunter® ICC2, ACC2, ACC2 (225 Decoders), ICORE-M, ICORE-PL, Pro-HC, and HCC Controllers, PRO-C Options that may be utilized specifically for these controllers.

SECTION 10 Controller Assemblies – HydroPoint® Weathertrak®

Pg. 1-20

HydroPoint Weathertrak Controllers for web based applications.

SECTION 11 Controller Assemblies – HydroPoint® Weathertrak® Options

Pg. 1-20

Options that may be utilized specifically for HydroPoint WeatherTrak including communication fees associated for accessing these systems.

SECTION 12 Controller Assemblies – Rain Bird®

Pg. 1-20

Rain Bird® ESP-LXME2, ESP-LXMEF2, LX Decoder, ESP-ME3 and LX IVM & IVM-PRO models of controllers and MAXICOM ESP Satellite Controllers for web based and central control applications and features.

SECTION 13 Controller Assemblies – Rain Bird® Options

Pg. 1-20

Rain Bird® ESP-LXME2, ESP-LXMEF2, LX Decoder, ESP-ME3 and LX IVM & IVM-PRO models of controllers. and MAXICOM ESP Satellite Options.

SECTION 14 Controller Assemblies – Irritrol® and Rain Master® Controllers

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Irritrol® MCE, Rain Master® Eagle-i and Eagle Plus Controllers.

SECTION 15 Controller Assemblies – Irritrol® and Rain Master® Controllers Options

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Irritrol® MCE, Rain Master® Eagle-i and Eagle Plus Options that may be utilized specifically for these controllers.

SECTION 16 Satellite Assemblies – Toro Sentinel®

Pg. 1-20

Toro Sentinel® DXi-Conventional/Hybrid, DXI-AC Decoder, DXI-Wireless Output Board, DXI-DC Decoders, Satellites including central communication applications and features.

SECTION 17 Satellite Assemblies – Toro Sentinel®

Pg. 1-20

Toro Sentinel® DXi-Conventional/Hybrid, DXI-AC Decoder, DXI-Wireless Output Board, DXI-DC Decoders, Options that may be utilized specifically for these controllers

INTRODUCTION (continued)

SECTION 18 Controller Assemblies – Tucor™

Pg. 1-20

Tucor™ RKS, RKD, LTD and TWC Controllers including communications applications and features.

SECTION 19 TUCOR Options

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Tucor™ RKS, RKD, LTD and TWC Options for web based applications.

SECTION 20 Controller Assemblies - Weathermatic®

Pg. 1-20

Weathermatic Controllers both stand alone and web based

SECTION 21 Weathermatic® Options

Pg. 1-20

Weathermatic Options for web based applications.

SECTION 22 Fertilizer Injection Systems

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This section includes specific information on the Landscape Injection Systems Fertiboost I and II fertilizer injection systems

SECTION 23 Barrett Booster Pump Systems

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Barrett Booster Pump Systems

SECTION 24 Services and Warranties

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Services provided when selecting an Imperial Technical Services Controller or Satellite Assembly. Product Warranty information is also included in this section.

SECTION 25 Technical Information

Pg. 1-20

Strong Box™ enclosure types and general technical information for proper grounding.

CAD and PDF Details are available through your sales representative.

Note: If a controller is not listed in the Specification Guide in Section 1, it is due to the fact that it is not widely used or is too new and hasn't been included at current time. We can custom-build most any controller into an assembly. Please contact the Sales and Specification Representative for information.

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SPECIFICATIONS GUIDE

Imperial Controller Assemblies (ICA)

CONTROLLERS (ICAX-XX-XX/Options)

FRONT ENTRY ENCLOSURES (UL APPROVED)

| IMPERIAL ASSEMBLY CODE | SS ENCLOSURE DIMENSIONS | MANUFACTURER | MODEL |
|------------------------|-------------------------|--------------|------------------|
| ICA1 | 18"W x 36"H x 12"D | STRONG BOX | SB18SS PEDESTAL |
| ICA2 | 18"W x 36"H x 24"D | STRONG BOX | SB18DSS PEDESTAL |
| ICA3 | 24"W x 36"H x 24"D | STRONG BOX | SB24SS PEDESTAL |
| ICA4 | 24"W x 36"H x 24"D | STRONG BOX | SB24DSS PEDESTAL |
| ICA8 | 36"W x 36"H x 24"D | STRONG BOX | SB36SS PEDESTAL |

*ELECTRIC METER/CONTROLLER ENCLOSURE (UL APPROVED)

| IMPERIAL ASSEMBLY CODE | SS ENCLOSURE DIMENSIONS | MANUFACTURER | MODEL |
|----------------------------|-------------------------|--------------|----------------------|
| ICA5A (100/100 AMP – 1 PH) | 32"W x 52"H x 18"D | STRONG BOX | MPE-A16-10K PEDESTAL |
| ICA5C (200/200 AMP – 1 PH) | 32"W x 52"H x 18"D | STRONG BOX | SB18DSS PEDESTAL |
| ICA5D (100/100 AMP – 3 PH) | 32"W x 52"H x 18"D | STRONG BOX | SB24SS PEDESTAL |
| ICA5E (200/200 AMP – 3 PH) | 32"W x 52"H x 18"D | STRONG BOX | SB24DSS PEDESTAL |

*ELECTRIC METER/CONTROLLER ENCLOSURE (NON UL APPROVED)

| IMPERIAL ASSEMBLY CODE | SS ENCLOSURE DIMENSIONS | MANUFACTURER | MODEL |
|----------------------------|-------------------------|--------------|--------------|
| ICA46 (100/100 AMP – 1 PH) | 46"W x 57"H x 18"D | MYERS | MEUG46I-M100 |

*Please consult your Imperial representative on proper specification of electrical meter type. In most cases, the ICA5A electrical meter will meet the electrical requirement needs.

TOP ENTRY ENCLOSURES (UL APPROVED)

| IMPERIAL ASSEMBLY CODE | SS ENCLOSURE DIMENSIONS | MANUFACTURER | MODEL |
|------------------------|--------------------------|--------------|---------------------|
| ICA6 | 16"W x 38"H x 15.5"D | STRONG BOX | SB16SS PEDESTAL |
| ICA6P | 16"W X 40 1/2"H x 14.5"D | ITS | HONEYCOMBED PLASTIC |
| ICA7 | 24"W x 38"H x 17"D | STRONG BOX | SB22SS PEDESTAL |

WALL MOUNT ENCLOSURES AND BACKBOARDS (UL APPROVED)

| IMPERIAL ASSEMBLY CODE | SS ENCLOSURE DIMENSIONS | MANUFACTURER | MODEL |
|------------------------|-------------------------|--------------|----------------------|
| ICA10 | 16"W x 32"H | STRONG BOX | BACKBOARD WALL MOUNT |
| ICA11 | 24"W x 32"H | STRONG BOX | BACKBOARD WALL MOUNT |
| ICA16 | 18"W x 36"H x 12"D | STRONG BOX | SB18SSW WALL MOUNT |
| ICA17 | 24"W x 36"H x 12"D | STRONG BOX | SB24SSW WALL MOUNT |

LITE DUTY ENCLOSURES (UL APPROVED)

| IMPERIAL ASSEMBLY CODE | SS ENCLOSURE DIMENSIONS | MANUFACTURER | MODEL |
|------------------------|--------------------------|--------------|------------------------|
| ICA12 | 16.75"W x 30"H x 8.25"D | STRONG BOX | LD-16SSW WALL MOUNT |
| ICA13 | 16.75"W x 30"H x 8.25"D | STRONG BOX | LD-16S PEDESTAL |
| ICA15 | 17.5"W x 34.5"H x 11.5"D | STRONG BOX | LD-16STS TOP ENTRY PED |

SPECIFICATIONS GUIDE (continued)

Imperial Controller Assemblies (ICA)

CONTROLLERS

| IMPERIAL ASSEMBLY CODE | MANUFACTURER CODE | CODE/MODELS (Stations ranges available) | | |
|--|-------------------|---|---|---|
| BaseLine | BL | 1 = BL1000 (12-100) 2 = BL3200 (12-200) | 3 = BL3200SS (SubStation) 4 = BL1000FS (FlowStation) | Note: #1 and 2 are conventional & two wire. |
| Calsense | CS | 1 = Omitted | 2 = Omitted | 3=CS3000(8-48) Conventional;128 Decoder |
| ETwater | ETW | 1 = Omitted | 2 = 205W (16-48) | |
| Hunter | HU | 1 = ICC2 (8-54) 2 = ACC2 (12-54) 3 = Omitted 4 = ACC2 (225 decoder) | 5 = Omitted 6 = ICore-M (6-42) 7 = ICore-PI (6-30) 8 = Omitted | 9 = Omitted 10 = Pro-HC (6-24) 11 = Omitted 12 = HCC (8-54) 13 = PRO-C (6-32) |
| Hydro-Point | HP | 1 = Omitted 2 = Omitted 3 = WTPRO3 (12-48, 72, 96) 4 = WTLC w/flow (6-18) | 5 = WTLC no flow (6-18) 6 = WTPRO3 (48 & 96 2 wire decoder) 7 = Omitted | |
| Irri-trol | IR | 1 = MCE (6-48) | 2 = TC (6-24) | 3 = IBOC (4-12) |
| Rain Bird <small>(For MAXICOM, See Section in Binder)</small> | RB | 1 = Omitted 2 = ESP-LXME (8-48) 3 = ESP-LXMEF (8-48) | 4 = Omitted 5 = ESPLXD (200 decoder) 6 = ESP-LX Basic (12-48) | 7 = ESP-ME3 (4-22) 8 = LX IVM & IVM PRO (60 or 240 decoder) |
| Rain Master | RM | 1 = SENTAR (6-36) 2 = EAGLE (6-36) 3 = EAGLE-T (6-36) 4 = EAGLE-I (6-36) | 5 = EAGLE+ Ethernet (6-48, 200 Dec) 6 = EAGLE+ Cellular (6-48,200 Dec) | Note: The RM5 is Ethernet only; RM6 is Cellular only – both include 5 yr. data plans |
| Toro | TO | 1 = CCM (9-48) 2 = Omitted | 3 = TMC (2-12) 4 = TMC-E (4-24) w/flow | 5 = TDC (100/200 decoder) 6 = EVO (4-16) |
| Toro | TO | SENTINEL CENTRAL: ISA-TOX-XX Assy. Designation | | |
| Toro | TO | 1 = CONTROL MODULE – Hardwire (12-48) 2 = CONTROL MODULE – Wireless (48) 3 = SC (9-18) | 4 = WIRELESS OUTPUT BOARD (12-48) 5 = TWO WIRE (204 DC Latching) | |
| Tucor | TU | 1 = RKD (100 decoder) 2 = RKS (1-100) | 3 =TWC (200 decoder) 4 = LTD (50 decoder) | 5 = TWI (200 decoder) |
| Weathermatic | WM | 1 = Smart Line (12-48) 2 = Smart Line w/Air Card (12-48) 3 = Smart Line w/ Air Card + flow (12-48) 4 = Omitted | 5 = Smart Line Decoder (16-96) 6 = Smart Line Decoder w/ Air Card (16-96) 7 = Smart Line Decoder w/ Air Card + flow (16-96) | |

For specific manufacturers information on specific Assembly Model # Codes and Options available, please refer to their sections in the binder.