IMMS®

Hunter’s Irrigation Management & Monitoring Software (IMMS) is a PC-based software package that makes central control of large-scale irrigation systems affordable, usable, and comprehensible. IMMS is optimized for the Hunter ACC controller and accessories (including decoder controllers).

FEATURES
- Windows®-based programming and communications software
- Total control of each controller’s functions
- Graphical user interface with customizable map-based navigation
- Map utility allows direct import of linework and layers
- Flow monitoring and reporting with Hunter ACC controllers
- Alarm reporting and detailed irrigation history reports
- Wireless and hardwired communication options, including Ethernet and GPRS
- Controller sharing of communications channels to reduce communications costs
- Compatible with water-saving Hunter Solar Sync® sensors, or optional ET Sensors

KEY SPECIFICATIONS
- Operating system: Microsoft Windows XP, Vista, Windows 7, Windows 8*
- Minimum RAM: 512 MB
- Minimum screen resolution: 1,024 x 768
- Storage: At least 100 MB disk space
* Windows is a registered trademark of the Microsoft Corporation

COMPATIBLE SENSORS
- Flow-Sync®: Hunter Flow-Sync sensor for ACC controllers (one per controller). Provides flow monitoring with diagnostic shutdowns in real time
- Clik Sensors: Each controller requires its own rain sensor for fast rain shutdowns. All Hunter Clik sensors are compatible with ACC and other Hunter controllers
- ET Sensor: ET Sensor platform is for use with IMMS-ET software
- Solar Sync Sensor (wired or wireless): Each controller can use its own SOLARSYNCSEN or WSS-SEN for smart, water-saving self-adjustment
  - Solar Sync sensors also provide rain and freeze shutoff functions
  - Solar Sync compatibility is included with the basic IMMS4CD software

COMMUNICATION OPTIONS
- ACC-COM-HWR, LAN, GPRS, GPRS-E
- Mounted internally to ACC controller
- RAD3: 450-470 MHz, UHF Radios, Power Output: 1 Watt, Bandwidth: 12.5 kHz narrowband
- ACC-HWIM: Hardware interface module for 4-20 mA loop communications, installs inside ACC controller cabinets or pedestals
- ACC-COM-LAN requires fixed IP address from system administrators
- ACC-COM-GPRS requires a monthly service plan

HARDWIRE COMMUNICATIONS CABLE
- GCBL shielded, two twisted-pair 18 AWG wire with ground wire, up to 10,000’ between each device

Add a visual dimension to central control with background map graphics
Track flow and other vital statistics in both charts and spreadsheets

ET Sensor
- Height: 10.5”
- Width: 8.5”
- Depth: 12.1”

Wireless Solar Sync Sensor (w/mounting arm)
- Height: 4.5”
- Width: 8.5”
- Depth: 1”
### IMMS SOFTWARE

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMMS4CD</td>
<td>IMMS Graphics central control software</td>
</tr>
<tr>
<td>IMMS-ET-CD</td>
<td>Optional ET automatic weather adjustment software (requires IMMS4CD base model)</td>
</tr>
</tbody>
</table>

Note:
* Requires an ET Sensor at one or more ACC controller locations

### COMMUNICATION OPTIONS FOR ACC INTERFACE

<table>
<thead>
<tr>
<th>Model Description</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC-COM-HWR</td>
<td>Hardwire/radio module* Supports hardwire and radio communication options</td>
</tr>
<tr>
<td>ACC-COM-LAN</td>
<td>Ethernet module* Supports TCP/IP in Ethernet networks in addition to hardwire and radio sharing with local controllers</td>
</tr>
<tr>
<td>ACC-COM-GPRS</td>
<td>GPRS cellular data module* Supports mobile data connection via GPRS phone in addition to hardwire and radio sharing with local controllers</td>
</tr>
</tbody>
</table>

Note:
* Also supports radio and hardwire

### USER-INSTALLED OPTIONS (SPECIFY SEPARATELY)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC-HWIM</td>
<td>Hardwire interface module required for hardwire connections</td>
<td>Provides surge protected terminals for hardwired cable connections</td>
</tr>
<tr>
<td>RAD3</td>
<td>UHF radio module (North America), 450-470 MHz</td>
<td>UHF radio module for wireless connections (license and antenna required and not included)</td>
</tr>
<tr>
<td>APPBRKT</td>
<td>Communication bracket for plastic pedestals</td>
<td>Holds com modules and accessories in plastic pedestal (not required in wall mounts)</td>
</tr>
<tr>
<td>APPBRKT2</td>
<td>Communication bracket for newer plastic pedestals (April 2017)</td>
<td>Holds com modules and accessories in new style plastic pedestal</td>
</tr>
</tbody>
</table>

### RADIO ANTENNA OPTIONS (SPECIFY SEPARATELY)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMMS-ANT2</td>
<td>Omni-directional antenna fits ACC plastic pedestal lid</td>
</tr>
<tr>
<td>IMMS-ANT3</td>
<td>Omni-directional antenna for wall- or pole-mount</td>
</tr>
<tr>
<td>IMMS-ANTYAGI3</td>
<td>High efficiency directional antenna for pole-mount</td>
</tr>
<tr>
<td>RASM</td>
<td>High gain omni-directional mast antenna for roof- or pole-mount</td>
</tr>
</tbody>
</table>