TPD-280-H: Elegant Solutions for Home and Building Automation

The TPD-280-H looks like something you see every day in your home or business. It's one of those little commonplace things that go unnoticed. Making something simple and easy to use is, conversely, not a simple process. There is a lot of creativity and thought that goes in to engineering such a device.

Underneath the surface of this apparently simple device lies an example of the clean, user-friendly design choices that make a digitally integrated world possible.

The TPD series is a 2.8 touchscreen HMI (Human Machine Interface) designed for building and home automation. It's a thermostat, lighting, and automation controller that uses ladder logic and C programming to put a wide array of functions at the user's fingertips.

It uses a high resolution TFT color touch screen and fits easily in an electrical wall-mount outlet. Behind the scenes, it integrates with rich I/O modules for data acquisition and control over various systems (heating, cooling, lighting, etc.)

TPD-280-H

In short, this HMI epitomizes the sea change from discrete mechanical switches to centralized, intelligent control pads. On the surface, it's barely more complex than a mechanical thermostat or dimmer, but it provides a wealth of functions from one easy to use location.

More than any off-the-shelf control solution, TPD-280-H has a lot to offer businesses and tech-savvy consumers. Its user interface, programs, and functions are completely customizable through HMIWorks— an easy-to-use graphical programming environment that allows users of any level to customize the appearance and functionality of our touchpads.

For PLC programmers HMIWorks provides Ladder Designer, a program which helps users design and implement ladder logic functions. Easy to learn and use, any knowledgeable user can be designing ladder applications in a short amount of time. And for IT users, HMIWorks provides a programming environment for Standard C language.

With all this in mind, it's easy to see the level of engineering and customization that can go in to a seemingly simple device; it takes time an effort to make things easy for the end user. The TPD-280-H is here to distill this complexity into something that consumers, businesses, and engineers can be happy with.

Want to learn more? Visit our website www.icpdas-usa.com or give us a call at 1-310-517-9888. You can also reach us through email at sales@icpdas-usa.com. We are available from 8:00 a.m. to 5:00 p.m. PST.