



Developing Generalised Human Machine Interface (HMI) Devices For PLC Controlled Automation Systems

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Abstract

HMI Devices provide logical flexibility to an industrial automation system by human feedback and decision support. Limitations on the present-day's HMIs, their brand and model specific interoperability limitations, lack of universal HMI devices which can be deployed in any mechatronic system, and lack of design standards, methodologies and concepts for industrial HMIs unlike that for computer systems are the key issues addressed. The design goal is an HMI device and development platform to be used universally with standard industrial controllers.