

ISO 16484-2:2004-08 (E)

Building automation and control systems (BACS) - Part 2: Hardware

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Abbreviations, acronyms and symbols,	27
5	Requirements	29
5.1	BACS components	29
5.1.1	Hardware components and system functionality	29
5.1.2	System configuration	29
5.1.3	Basic hardware performance criteria	30
5.2	Management devices	30
5.2.1	General	30
5.2.2	Data processing device, server station	31
5.2.3	Peripherals	31
5.2.4	Interfaces	33
5.2.5	Alarm indication and annunciation devices	34
5.3	Control devices	34
5.3.1	General	34
5.3.2	Controller	36
5.3.3	Application specific controller	42
5.4	Field devices	43
5.4.1	General	43
5.4.2	Coupling module	43
5.4.3	Local override/indication device	44
5.4.4	Sensors	45
5.4.5	Actuators	47
5.4.6	Room device	50
5.5	Cabling	50
5.6	System communications	51
5.6.1	General	51
5.6.2	Interconnection of devices within networks	53
5.6.3	Interconnection of devices between networks	53
5.6.4	Communications protocol	54
5.7	Engineering/commissioning tools	54
5.7.1	General	54
5.7.2	Engineering tools	54
5.7.3	Commissioning tools	54
	Annex A (informative) General safety requirements and environmental conditions	56
A.1	General	56
A.2	National annexes	56
	Annex ZA (normative) Normative references to international publications with their corresponding European publications	57
	Bibliography	58